INDEX

One Hundred and Seventh Quarto Volume—July 1, 1939, to December 31, 1939

AUTHORS

Aitchison, Clyde B., 827

Baldwin, L. W., 620
Beamish, Richard J., 343
Beven, J. L., 595
Bjorkholm, John, 213
Bronson, C. B., 520
Bunnell, E. H., 347
Busch, Henry Paul, 261

Chinn, Armstrong, 655
Coonley, Howard, 452

Dewey, Thomas, 950
Doyne, M. H., 923
Dunn, Samuel O., 7, 655, 676, 799

Eastman, Joseph B., 496, 899, 999
Ellis, D. S., 664

Fairweather, S. W., 891
Fennell, D. D., 669

Gifford, W. S., 600
Gillies, John A., 77
Gormley, M. J., 526, 629, 667
Gray, Carl R., Jr., 720
Gray, Chester H., 860

Haggander, G. A., 701
Hall, Fitzgerald, 735
Hankins, F. W., 6
Hawk, A. T., 702
Hill, J. B., 276
Hillis, W. H., 522
Hood, J. M., 696
Hurley, W. A., 645

Ickes, Harold L., 823

Johnston, C. E., 487, 623, 654
Jones, Jesse, 434

Koontz, Harold D., 312
Kramer, Leroy, 666

Leahy, George G., 646
Leonard, J. F., 656
Lyford, F. E., 663

Metzelfeld, Robert R., 189
Miller, C. A., 697
Miller, Carroll, 41
Miller, Cloyd W., 261
Moore, Dr. H. F., 209

Parke, Peter, 693
Pelley, J. J., 799, 1007
Pollard, H. D., 226
Price, Page Nelson, 277

Reed, Sen. Clyde M., 286, 817
Robinson, Lee, 646
Roesch, F. P., 652
Russell, E. W., 291

Saunders, J. P., 79
Savage, George T., 708
Sheehan, Joseph E., 80
Sherrington, C. E. R., 843
Sillcox, L. K., 248
Smith, Charles E., 438
Smith, R. H., 488
Symes, J. M., 423

Talbot, Dr. A. N., 37
Trent, John W., 188
Troxel, C. Emery, 403

Urbach, H. H., 108

Wheeler, Sen. Burton K., 698
Wheeler, H. A., 796
Willkie, Wendell, 916
Williams, A. N., 937
Williamson, William J., 797, 902
Wilson, Billings, 797
Wilson, L. F., 415
Woodlock, T. F., 468, 699

For the convenience of subscribers who do not bind the Railway Age, *the inclusive page numbers of each issue from July 1 to December 30, 1939, are shown below:*

July 1 1-60
July 8 61-98
July 15 99-130
July 22 131-166
July 29 167-204
August 5 205-240
August 12 241-272
August 19 273-302
August 26 303-330
September 2 331-362
September 9 363-394
September 16 395-428
September 23 429-464
September 30 465-510
October 7 511-550
October 14 551-610
October 21 611-640
October 28 641-688
November 4 689-730
November 11 731-778
November 18 779-808
November 25 809-838
December 2 839-874
December 9 875-914
December 16 915-946
December 23 947-988
December 30 989-1018

INDEX

One Hundred and Seventh Quarto Volume—July 1, 1939, to December 31, 1939

AUTHORS

Aitchison, Clyde B., 827

Baldwin, L. W., 620
Beamish, Richard J., 343
Beven, J. L., 595
Bjorkholm, John, 213
Bronson, C. B., 520
Bunnell, E. H., 347
Busch, Henry Paul, 261

Chinn, Armstrong, 655
Coonley, Howard, 452

Dewey, Thomas, 950
Doyne, M. H., 923
Dunn, Samuel O., 7, 655, 676, 799

Eastman, Joseph B., 496, 899, 999
Ellis, D. S., 664

Fairweather, S. W., 891
Fennell, D. D., 669

Gifford, W. S., 600
Gillies, John A., 77
Gormley, M. J., 526, 629, 667
Gray, Carl R., Jr., 720
Gray, Chester H., 860

Haggander, G. A., 701
Hall, Fitzgerald, 735
Hankins, F. W., 6
Hawk, A. T., 702
Hill, J. B., 276
Hillis, W. H., 522
Hood, J. M., 696
Hurley, W. A., 645

Ickes, Harold L., 823

Johnston, C. E., 487, 623, 654
Jones, Jesse, 434

Koontz, Harold D., 312
Kramer, Leroy, 666

Leahy, George G., 646
Leonard, J. F., 656
Lyford, F. E., 663

Metzelfeld, Robert R., 189
Miller, C. A., 697
Miller, Carroll, 41
Miller, Cloyd W., 261
Moore, Dr. H. F., 209

Parke, Peter, 693
Pelley, J. J., 799, 1007
Pollard, H. D., 226
Price, Page Nelson, 277

Reed, Sen. Clyde M., 286, 817
Robinson, Lee, 646
Roesch, F. P., 652
Russell, E. W., 291

Saunders, J. P., 79
Savage, George T., 708
Sheehan, Joseph E., 80
Sherrington, C. E. R., 843
Sillcox, L. K., 248
Smith, Charles E., 438
Smith, R. H., 488
Symes, J. M., 423

Talbot, Dr. A. N., 37
Trent, John W., 188
Troxel, C. Emery, 403

Urbach, H. H., 108

Wheeler, Sen. Burton K., 698
Wheeler, H. A., 796
Willkie, Wendell, 916
Williams, A. N., 937
Williamson, William J., 797, 902
Wilson, Billings, 797
Wilson, L. F., 415
Woodlock, T. F., 468, 699

For the convenience of subscribers who do not bind the Railway Age, *the inclusive page numbers of each issue from July 1 to December 30, 1939, are shown below:*

July 1 1-60
July 8 61-98
July 15 99-130
July 22 131-166
July 29 167-204
August 5 205-240
August 12 241-272
August 19 273-302
August 26 303-330
September 2 331-362
September 9 363-394
September 16 395-428
September 23 429-464
September 30 465-510
October 7 511-550
October 14 551-610
October 21 611-640
October 28 641-688
November 4 689-730
November 11 731-778
November 18 779-808
November 25 809-838
December 2 839-874
December 9 875-914
December 16 915-946
December 23 947-988
December 30 989-1018

GENERAL INDEX

[*Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡*]

A

Abandonments:
- Auto-Railer Line Proposals for, 353
- I. C. C. Decision Regarding Future Abandonment of G. T. & W. If Purchased by C. R. I. & P., 323
- I. C. C. Order Permitting Southern Branch Line Abandonment Upheld by Court, 355
- Motor Carrier May Give Up Certificate Without I. C. C. Permission, 902

Accidents:
- Bentley, L. G., on Accidents Over Which the Railroads Have No Control, 632
- Blackouts Cause Accidents on L. M. & S., 634
- B. & M. Bridge Weakened by Highway Construction Work, Accident on, 420
- Bureau of Safety Investigations, 1938-39, 801
- C. N. R. Grain Train Wrecked, 419
- C. of N. J. Blue Comet Derailed, 321
- C. B. & Q. Pioneer Zephyr Collision, 534
- "City of San Francisco" Derailed, 276†, 289*, 292, 350, 444* (Board of Inquiry Report)
- Collision at Denver; D. & R. G. W. and A. T. & S. F., 294
- German Rys.; Increase Since the War, 1006
- Grade Crossing:
  - Bentley, L. G., on, 632
  - Railroad & Utilities Comm. Discuss, 346
  - Recklessness at Crossings, 734†
  - Safety Section Statistics: April, 196; June and Six Months, 499; August, 832
- I. C. C. Statistics: April, 199; May, 322; June, 501; July, 679; August, 833; September, 979
- I. C. C. Statistics for 1938, 748
- Lessons Learned from Investigation of, 668
- Operating Lessons from Train Accidents, 245
- P. R. R. Locomotive Sideswipes Coach, 676
- Pullman Employee Accidents Reduced, 986
- Speed Restrictions, Adherence to, 207†
- Streamline Train Accidents, List of, 578

Accounting:
- I. C. Offices Consolidated at Chicago, 158
- I. C. C. Order Issued, 977
- I. C. C. Order on Account for "Protective Service-Perishable Freight" Postponed, 798
- Keeping the Variables Variable, 334†, 347*
- "Railway Accounting Rules"; New Edition, 800

Acme Fast Freight, Inc., I. C. C. Case Involving Status of, 262, 535, 680, 861

Advertising:
- American Trucking Associations Program, 864
- Benefits of; G. T. Savage on, 708
- St. L.-S. F. Friendly Service Campaign, 453
- St. L.-S. F. Sells Fast Freight Service, 826*
- Selling Streamlined Passenger Service, 580*
- Time, Inc., Advertisement Showing Contribution to Railroad Traffic, 452

Adult Education on the C. P. R., 134*

"Agreed Charges" Plan in Canada, 73, 118, 293, 352, 381 and 677 (Petroleum Charges Upheld)

"Agreed Charges" Plan in Great Britain, 74

Air Brakes: (See also Braking)
- Brakes for High-Speed Trains, 586, 648, 695
- Freight-Train Slack, Control of, 647
- Mech. Div. Report on, 18*
- Passenger Car, Cost of Maintaining, 795
- Single-Car Testing Device, New, 18*

Air Conditioning:
- Cost of Maintaining Equipment, 793
- Electrical Sections Reports on, 743, 744
- Number of Cars, 321
- U. P. Office Building at Omaha, 170*

Air Curtains in P. R. R. Diners, 474, 480, 484

Air Line Operations in 1938, 709

Air Line Traffic: June, 266; October, 902

Air Service Planned by K. C. S., 47

Air Travel, Plainly It Is Not Government Money Alone Which Aids, 468

Alabama & Florida: Auto-Railer Used by, 757*

Alabama Increases Weight Limit for Trucks, 450

Algerian Railways to Buy Rail-Motor Cars, 379

All-American Bus Lines, Inc.: Transcontinental, Low-Fare Service Authorized by I. C. C., 634

Alleghany Corporation
- I. C. C. Inquiry Abandoned, 801
- M. P. Stock Sold for 20 Cents a Share, 1009

Allegheny Shippers' Regional Advisory Board Meeting, 451

Allies for the Railroads, New, 511†

Alton:
- Lease Dispute with C. & J. Settled, 225
- Streamliners, Earnings and Traffic of, 560*

American Association of General Baggage Agents: Officers Elected, 713

American Association of Passenger Traffic Officers: Annual Meeting, 707

American Association of Railroad Superintendents:
- How to Select a Trainmaster, 412
- Operating Lessons from Train Accidents, 245
- Possibilities for Main-Tracking, 378*
- What About L. C. L.?, 789*

American Association of Railway Surgeons: Annual Meeting, 423

American Automobile Association: Secretary Ickes on "Hogging" of Roads by Trucks, 823

American Brake Shoe & Foundry Company: American Manganese Steel Plant Expanded, 53*

American Car & Foundry Company:
- Annual Report, 88
- D. & H. Coaches for the "Laurentian," 812*
- Experimental Tank Cars Authorized, 161, 982
- L. & N. E. Covered Hopper Cars, 287*
- P. R. R. Dining Cars, 470*

American Drivurself Association: Railroad Service to be Handled by, 707

American Iron & Steel Institute: Study of Rail Rolling Mills, 802

American Locomotive Company: U. P. 4-8-4 Type Locomotives, 515*

American Petroleum Industries' Committee: Conference on Automotive Taxation, 629

American Railway Bridge & Building Association: Annual Convention, 537, 653*, 701*

American Railway Development Association: Annual Meeting, 862

American Railway Engineering Association:
- Rail Fissure Investigation, Fifth Progress Report on, 209*
- Rail, Heavier—Its Effect on Track Labor Costs, 336*
- Rail Joints, Report of Committee on Stresses in Railroad Track on, 37*
- Tie Renewal Statistics for 1938, 258

American Railway Magazine Editors' Association: Fall Meeting, 719

American Short Line Railroad Association:
- Agreement on Adjustment Board Dispute, 596
- Annual Meeting, 500, 696

American Society for Testing Materials: Annual Meeting, 67*

American Society of Civil Engineers: J. M. R. Fairbairn Elected an Honorary Member, 225

American Society of Mechanical Engineers:
- Annual Meeting, 720
- Fry, L. H., Chairman of Railroad Div., 934
- High-Speed Lightweight Trains, Paper on, 718
- Officers for 1940, 47, 599
- Railroad Engineers Honored by, 935
- Walker, A. R., to Address Chicago Section, 1009

American Standards Association: Advisory Committee Named for, 46

American Trucking Associations, Inc.:
- Aitchison, C. B., on Status of Motor Truck Regulation, 679, 827
- Annual Convention, 679
- Court Holds I. C. C. Has Jurisdiction Over Hours of Service of All Employees, 897, 977
- Motor Truck Loadings: May, 49; June, 229; July, 353; August, 502; September, 718; October, 865
- Public Relations Program, 864

American University: Dr. Ludwig M. Homberger to Lecture at, 355

American Welding Society: Railroad Session to be Held by, 499

American Wood Preservers' Association: Wood Preservation Statistics for 1938, 139*

Anchoring Rails to Concrete Slabs; C. N. R., 104*

Anchoring Track to Meet Present-Day Conditions, 521

Apalachicola Northern: R. F. C. Loan Application, 387, 982 (Application Dismissed)

Araraquara of Brazil to Be Extended, 669

Arbitration Committee, Report of the, 20

Arch-Bar Trucks (See Trucks, Car)

Argentina: Buenos Aires & Pacific and Central Argentine to Be Operated Jointly, 376

Argentine State Railways:
- Diesel Trains and Motor Cars Purchased, 712
- Earnings of, 866
- Equipment Purchases Planned by, 866

Arlington & Fairfax Auto Railroad Seeks to Abandon Operations, 353

Associated Traffic Clubs of America, Meetings of, 79, 720, 741

Association of American Railroads:
- Accounting Division:
  - Annual Meeting, 73
  - "Railway Accounting Rules"; New Edition, 800
- Air-Conditioned Cars, Number of, 321
- Annual Meeting, 798
- Anti-trust Action on Refusal to Co-operate with Motor Carriers in Through-Route Arrangements, 670, 860
- Average Speed of Freight Trains, 266
- Brooke, G. D., on Board of Directors, 718
- Bureau of Railway Economics: Tie Renewal Statistics for 1938, 258

Association of American Railroads:—(*Continued*)
- Car Service Division:
  - Acts to Prevent Congestion at North Atlantic Ports, 765
  - Appointment Made in District No. 2, 499
  - Co-operative Measures to be Taken by Shippers to Aid Car Situation, 424, 468†, 492, 497
  - Data on Car Situation Given Shippers, 802
  - Demurrage and Storage Rules Amended, 295, 599
  - Handling of Canadian Box Cars, 600
  - Official Railway Equipment Register List of 50-Ft. Box Cars Offered Railroads, 936
  - Refrigerator Car Service Rules; Effective Date Postponed, 323, 977
  - Report on Cars Containing Company Material Asked for, 861
  - Roads Urged to Keep Empty Car Mileage at Minimum, 801
  - Rules for Handling Automobile Cars, 936
  - Six More Roads Permit Unrestricted Car Deliveries to Seatrain Lines, 832
  - Western Box Cars Ordered Home, 384, 424, 492, 761
- Chemical Developed to Prevent Corrosion from Brine Drippings, 760
- Conference with R. L. E. A. on Adjustment Board Problem, 46, 83, 100†, 120, 159, 229, 452, 596
- Directors Discuss Legislative Situation, 222
- Directors' Monthly Meeting, 715, 718
- Engineering Division: Electrical Section Meeting, 744
- Equipment On Order and Installed, 195, 322, 453, 633, 800, 979
- Fire Protection and Insurance Section: Annual Meeting, 622
- Freight Claim Division:
  - Claim Payments, 1938 and 1939, 600
  - Robbery Payments; First Half of 1939, 601
- Government Ownership Debate Manual, 485
- Internal Revenue Law Changes Proposed, 865
- "Let's Keep the Record Straight" Film, 47
- Mechanical Division:
  - Address of Chairman Hankins, 6
  - Address of Samuel O. Dunn, 7
  - Diesel Locomotive Operation; H. H. Urbach on, 108
  - Electrical Section Meeting, 742
  - Letter Ballot Results, 717
  - Report of Arbitration Committee, 20
  - Report on Brakes and Brake Equipment, 18*
  - Report on Car Construction, 29
  - Report on Couplers and Draft Gears, 27
  - Report on Further Development of Reciprocating Steam Locomotive, 34
  - Report on Labor and Material Prices, 24
  - Report on Loading Rules, 26
  - Report on Locomotive Construction, 31
  - Report on Lubrication of Cars and Locomotives, 9
  - Report on Specifications for Material, 13
  - Report on Tank Cars, 25
  - Report on Utilization of Locomotives and Conservation of Fuel, 34
  - Report on Wheels, 3†, 14*
  - Research Projects, 3†
  - Specifications for Passenger Cars, 6
  - Trucks, High-Speed Freight Car, Tests of, 3†, 6, 681
- Merchandise Rate Structure Changes Approved, 831
- N. Y. O. & W. Withdrawal from, 262
- Oil Traffic Dealings Brought Before Monopoly Committee, 602, 632
- Open Annual Meetings Suggested, 715
- Pelley, J. J., on Railway Preparedness, 677, 799
- Per Diem on Cars Delivered to Seatrain, 319
- Preparations to Prevent Car Shortage, 433, 465†
- Purchases and Stores Division:
  - Committees Appointed, 720
  - Essay Contest for 1940, 863
  - Essay Contest Papers, 188*
- "Railroad Capacity and Traffic Control" Pamphlet, 863
- Railway Results in 1939; J. J. Pelley on, 1007
- Research Program Continued, 798
- Safety Section:
  - Circulars, 632
  - Grade Crossing Accident Statistics, 196, 499, 832
- Signal Section: Officers for 1940, 978
- Tariff Adjustments for Ex Parte 115 and 123 Cases, 1008
- Taxes in 1938, 602
- Traffic Advisory Committee to Simplify Freight Classification, 120, 133*, 196, 323
- Traffic Increase that Roads Could Handle, 384, 417, 465†, 526*, 595, 629, 677, 689†, 799, 839†, 863
- Treasury Division: Annual Meeting, 497

GENERAL INDEX—Continued

[Illustrated articles are indicated thus; Editorials thus†; Letters to Editor thus‡]*

Association of Practitioners Before the I. C. C.: Annual Meeting, 353
Atchison, Topeka & Santa Fe:
- Christmas Traffic Handled by, 1013
- Collision at Denver with D. & R. G. W., 294
- Freight Service Speeded Up, 933, 1006
- Improvement Program, 540
- Locomotive, Diesel-Electric Switching, 992*
- Locomotives, Diesel-Electric, Operation of; J. P. Morris on, 112
- Miniature Railway Given to Chicago Museum, 978
- Motor Coach Terminal at Los Angeles, 260*
- Motor Transport Operations in 1938, 145
- Produce Terminal at Kansas City, 901, 1009
- Rail Joint Tests, Report on, 37*
- Service of "Chicagoan" and "Kansas Cityan" Extended, 863
- Silver Dollar Day at Purcell, Okla., 212
- Speed, High Maximum vs. High Sustained, 77
- Streamliners, Earnings and Traffic of, 560*
- Train-Connection Motor Coach Services Not Subject to Motor Carrier Act, 678

Atlantic Coast Line:
- "Champion" Trains, 125, 158, 833, 897, 962*
- Florida Towns Praise Road and Founder, 979
- Motor Coaches Replace Barge at Norfolk, 318*
- Train-Naming Contest, 453, 833

Atlantic States Shippers' Advisory Board Meetings, 502, 526*, 595, 978
Australian Aircraft Post, H. W. Clapp Appointed to, 294
Auto Loader Device to Increase Loading Length in a Standard Box Car, 6
Auto-Railer Line Seeks Abandonment, 353
Auto-Railer Used by Alabama & Florida, 757*
"Automatic Doorman", Yale & Towne, 851*
Automobile Rates, I. C. C. Investigation of, 199, 320, 601, 661, 715, 761
Automobile Rental Service to be Established by Railroads, 707
Automobile Traffic in 1938, Division of, 320
Automobile Transporters Warned on Relief Drivers Sleeping in Cars, 454
Automobiles, Truckload Commodity Rate Reduction Suspended on, 49
Automotive Taxation, Conference Held on, 629

B

Baldwin Locomotive Works:
- Diesel-Electric Locomotives Built for Stock, 908, 992*
- "Fortune" Article on, 977
- S. P. 4-8-8-2 Type Locomotive, 119, 159*

Baltimore & Ohio:
- Equipment Repair Program, 725
- Interest Modification Plan, 233, 450, 503, 605, 684
- Locomotives, Diesel-Electric, Operation of; G. F. Wiles on, 113
- Old-Time Train Wins Award at Morris County Bicentennial, 500, 632*
- R. F. C. Loans Extended, 268, 457
- Shriners Use Pullmans During Convention, 46

Bangor & Aroostook: Equipment Depreciation Rates, 762
Bankruptcy; Service Stoppage Due to Bankruptcy Voids "Grandfather" Rights, 1012
Bankruptcy Act:
- Amendment Regarding Personal Injury Claims, 45, 255
- Chandler Bill Passed, 122, 193, 226
- Wheeler-Truman Bill, 50, 84, 122, 976 (Rep. Chandler's Substitute for)

Barco Type M-3 Power Reverse Gear Operating Valve, 747*
Barges Stranded on the Missouri River for Lack of Water, 630, 783, 848
Bell System Public Relations Methods, 366, 643
Bell Telephone Policies in Which Management Takes Pride, Some, 600
Bessemer & Lake Erie: Effect of Heavier Rail on Track Labor Costs, 338
Bethlehem Steel Co.: Southern Express Cars, 307*
Bethlehem Steel Corp.: Death of Charles M. Schwab, 451*
Billiards Played on C. & N. W. Viking, 72*
Bills in Congress, 45, 84, 122, 161, 192, 255, 295 (Correction)
Black Tom Explosion, Germany Assessed for, 719, 978 (Decision Attacked in Court)
Blackhall Bus and Car Washer, 975
Boiler Design; Report of Committee on Further Development of Reciprocating Steam Locomotive, 35
Boiler Foaming, Research on, 650
Boiler, Locomotive, D. & H. Fusion-Welded, 33
Boiler Water Treatment, M. P. Research on, 650
Bonds:
- Lisman, F. J., Asks Protection for Individual Holders of Prior Lien Bonds, 382
- R. F. C. Loans for Railroad Purchase of Proposed, 131†, 157, 764

Boston & Albany: L. C. L. Truck-Competitive Rates Allowed, 596
Boston & Maine:
- Accident on Bridge Weakened by Highway Construction Work, 420
- Christmas Carols Sung in North Station, 981
- Excursions Continued to Columbus Day, 294
- Fan Trip, 86
- "Flying Yankee" Earnings and Traffic, 563*
- "Flying Yankee" on "Mountaineer" Run, 49
- Interest Reduction Plan of R. F. C., 763
- Ipswich to Paint Its "Depot", 353
- L. C. L. Rates; Elimination of Four Classes Sought, 119, 294
- L. C. L. Truck-Competitive Rates Allowed, 596
- MacAnanny, J. R., to Study Hawaiian Railroad, 860
- Study Tables for Students In North Station, 861
- Suggestion Boxes for Passengers, 829, 861
- Trains, Four New Fast Freight, 534

Boston & Maine Transportation Co.: Abandonment of New Hampshire Bus Line Permitted, 902
Boston & Providence: Reorganization of, 268, 360, 387, 941 (I. C. C. Proposed Plan)
Brake Equipment, Mech. Div. Report on, 18*
Brakes, Mech. Div. Report on, 18*
Brakes (See also Air Brakes)
Braking, Mountain, Two Methods of, 649
Braking Problem of High-Speed Trains, 586, 648, 695
Brazilian Government Loans to Railroads, 768
Bridge and Building Supply Men's Association: Annual Meeting, 681
Bridge Repairs, Elimination of Slow Orders While Making, 656
Bridges:
- Bill to Allocate Cost of Changes to, 46, 115, 154, 158, 183, 225, 292 (Vetoed by President)
- C. N. R. Precast and Poured-in-Place Slabs, 102*
- C. of N. J. Grade Separations at Elizabethport, 784*, 832 (Correction)
- C. & O. Grade Separations at Toledo, 852*
- C. R. I. & P. Over the Cimarron River, 122
- If Public Demands Beauty It Should Pay, 261‡
- Methods of Safeguarding Structures, 705
- Painting Problems Resulting from Deferred Maintenance, 706
- P. R. R. Passenger Bridge at Harrisburg Raised, 615*
- St. Louis Municipal Bridge Completed, 923*
- Strengthening, for Present-Day Traffic, 701*

Brine Drippings, Railroads Develop Chemical to Prevent Corrosion from, 760
British-American Engineering Congress Called Off, 354
Brotherhood of Railroad Trainmen:
- "Capitalist Press" Attacked by, 264
- Re-employment and Recovery Program, 121
- Transportation Bill Opposed by A. F. Whitney, 503

Brotherhood of Railway Clerks: Complaint Against Railway Express Agency Withdrawn, 832
Brotherhood of Sleeping Car Porters; Status Under Railroad Retirement Act, 124
Budd Manufacturing Company, Edward G.:
- A. C. L. "Champions," 962*
- C. B. & Q. Sleepers for "Denver Zephyrs", 65*
- F. E. C. "Champion" and "Henry M. Flagler," 962*
- P. R. R. Dining Cars, 476*
- S. A. L. New "Silver Meteors," 951*

Buildings:
- N. & W. Hotel Roanoke Modernized, 820*
- Today's Requirements in, 702
- U. P. Air-Conditioned Office Building, 170*

Burlington Transportation Company:
- Authority to Acquire Lines Sought, 901
- Operations in 1938, 145

Business:
- Big Business Socialists Versus Private Enterprise, 1†, 61†, 167†, 261‡, 303†, 611†, 641†, 731†, 839†, 989†
- Check Up on Its "Hired Men" Needed, 303†
- How Keep Business Improving?, 809†
- Selfish Interest of Business in Private Ownership of Railways, 244, 303†
- Selfishness or Good Business?, 291‡, 415‡
- Some Big Business Patrons of Socialized Transportation, 339*
- Willkie, Wendell, on Quest for Subsidies, 916

C

California Railroad Commission: Cost-Finding Study, 150*
Canada:
- "Agreed Charges" Plan, 73, 118, 293, 352, 381 and 677 (Petroleum Charges Upheld)
- Defence Purchasing Board to be Organized, 157
- Freight Car Loadings, 48, 85, 122, 158, 197, 227, 263, 294, 323, 354, 382, 421, 454, 502, 536, 601, 631, 680, 719, 761, 800, 833, 862, 901, 936, 980

Canada:—(*Continued*)
- Payne, J. L., Death of, 192
- Quebec Commission Holds Up Truck Permits to Give Railroads a Chance to Revise Rates and Schedules, 158
- Railway Equipment to be Purchased, 456
- Railway Operating Performance in 1914 and 1938, 893
- Railways are Ready for War, 891*
- Thompson, W. S., Appointed Censor, 496*
- Transport "Controller" Appointed, 798, 833

Canadian Box Cars, Car Service Division Orders on Handling of, 600
Canadian Car & Foundry Company:
- C. N. R. Box-Baggage Cars, 308*
- C. N. R. Mail and All-Steel Baggage Cars, 340*

Canadian National:
- Bridges, Precast and Poured-in-Place Slabs for, 102*
- Cars, All-Steel Baggage, 340*
- Cars, Box-Baggage, 308*
- Cars, Mail-and-Express, 340*
- Co-operation with C. P. R., 74, 192
- Earnings, 120, 226, 354, 719, 899
- Grain Train Wrecked, 419
- Locomotive of Royal Train at World's Fair, 49
- Motor Trucks and Coaches Purchased, 828*
- Preparation for War, 891*
- Thompson, W. S., Named Canadian Censor, 496*
- Vaughan, R. C., to Organize Defence Purchasing Board, 157

Canadian Pacific:
- Adult Education on the, 134*
- Co-operation with C. N. R., 74, 192
- Earnings, 120, 226, 354, 719, 899
- Equipment Program, 505
- Locomotive of Royal Train at World's Fair, 49

Capital Gains Tax: Provisions for Purchase of Securities by Roads in Financial Difficulties, 45, 84
Car Department Officers' Association: Meeting of, 380, 620, 665, 763, 792*
Car Ferry Ordered by Pere Marquette, 861
Car Foremen's Association of Chicago: Officers Elected, 600
Car-Naming Contest, Pullman, 265
Car Retarders in Enola Yard; P. R. R., 146*
Car Shortage. A. A. R. Foresees No, 384, 417, 433, 465†, 492, 629
Car Tracing; C. M. St. P. & P. Uses Teletype, 315*
Car Trucks (See Trucks, Car)
Carnegie-Illinois Steel Corp.: Tests of Service Life of Cor-Ten Steel in Hopper Cars, 847*
Carriers Taxing Act of 1937:
- C. A. & E. Status Under, 262
- C. N. S. & M. Status Under, 197, 322
- C. S. S. & S. B. Status Under, 157
- Collections Under, 124, 295, 421, 833, 933
- Denver & Intermountain Exempted in Proposed Report, 977

Cars, Freight:
- A. A. R. Research Program Continued, 798
- Automobile, Car Service Division Rules for Handling, 936
- Box:
  - A. A. R. Tentative Designs for, 29
  - Auto Loader Device to Increase Loading Length of, 6
  - U. P. Challenger Merchandise Cars, 930*
- Box-Baggage; C. N. R., 308*
- Construction, Mech. Div. Report on, 29
- Estimates of Need for, 333†
- Hopper:
  - Cor-Ten Steel, Service Life of, 847*
  - L. & N. E. for Cement Handling, 287*
- Lubrication of, Mech. Div. Report on, 9
- Motives Controlling the Purchase of, 248
- Plans for Rehabilitating or Acquiring, 248
- Refrigerator:
  - Bunkerless Tests Made by P. F. E., 353
  - Morrell Plywood, 137*
  - Use of; Bill Proposing I. C. Act Amendment, 122, 161
- Tank:
  - Experimental Cars Authorized by I. C. C., 161, 201, 805, 867, 982
  - Fusion-Welded, Report on, 25
  - Mech. Div. Report on, 25
- Utilization of, Efficient, 755

Cars, Passenger (See also Rail Motor Cars; also Streamlined Trains; also Trains)
- Air-Conditioned, Number of, 321
- C. N. R. All-Steel Baggage, 340*
- C. N. R. Box-Baggage, 308*
- C. N. R. Mail-and-Express, 340*
- C. B. & Q. Sleepers for "Denver Zephyrs," 65*
- Cleaning, Cost of, 795
- Construction, Mech. Div. Report on, 31
- Cost of Terminal Maintenance, 792*
- D. & H. Coaches for the "Laurentian," 812*
- D. L. & W. Diner and Lounge-Buffet, 50*, 374*
- Lightweight, History of, 693
- Lubrication of, Mech. Div. Report on, 9
- N. Y. C. New Roomettes in Service, 46, 158

Cars, Passenger:—(*Continued*)
N. Y. S. & W. to Buy Commuter Cars, 265, 425
Open Section Sleepers to be Discontinued, 707
P. R. R. Diners Built by Three Builders, 469*
Repairs, Cost of, 792*
Room Cars, Popularity of, 707, 762
Southern Express, of High-Tensile Steel, 307*
Specifications for, New A. A. R., 6
Caterpillar Diesel Engines in C. R. I. & P. Switching Locomotives, 879*
Cement, Hopper Cars for Handling; L. & N. E., 287*
Central Greyhound Lines, Inc.:
Authorized to Guarantee Notes, 292
Equipment Notes Authorized, 264
Central of Georgia:
Employee and His Job; H. D. Pollard on, 226
Employees to Fete H. D. Pollard, 452
Central Railroad of New Jersey:
Bankruptcy Petition Filed, 700, 805, 869, 905 and 976 (Opposition to Trustees), 982
Blue Comet Derailed, 321
Grade Separations at Elizabethport, 784*, 832 (Correction)
Interest Adjustment Plan, 54, 197, 268, 700, 805
Ordered to Pay Part of 1939 Taxes, 1009
Pennsylvania Barge Damage Suit, Supreme Court Denies Review of, 628
Central States Motor Freight Bureau Seeks Probe of L. C. L. Charges, 420
Central Western Shippers Advisory Board Meeting, 861
Centralized Traffic Control: N. & W. Installation; Homer Creek, Va.-Luke, 996*
Chamber of Commerce of the United States: Big Business Socialists Versus Private Enterprise, 1†
Chandler Act:
B. & O. Interest Modification Case, 233, 450, 503, 605, 684
Chicago, Memphis & Gulf Files Under, 870
L. V. Interest Adjustment Case, 268, 541
Montana, Wyoming & Southern Readjustment Plan Approved by I. C. C., 297, 940
Passage of, 122, 193, 226
Charles City Western: R. F. C. Loan Extended, 726, 869
Chemical to Prevent Corrosion from Brine Drippings Developed, 760
Chesapeake & Ohio:
Forwarding Company Stocks Trusteed, 155
Grade Separation Structures at Toledo, 852*
Miniature Railway in New York Again, 446
Public Relations Conference, 713
Chesapeake Corp.: I. C. C. Inquiry Abandoned, 801
Chicago & Eastern Illinois: Reorganization of, 201, 359, 869, 940
Chicago & Joliet: Dispute with Alton Over Lease Settled, 225
Chicago & North Western:
Billiards Played on the "Viking", 72*
Christmas Traffic, 1006
"City of San Francisco" Derailed, 276†, 289*, 292, 350, 444*
"400," New, 419, 455*, 713, 736*, 1006
Locomotives, Diesel-Electric Switching, Operation of; H. P. Allstrand on, 111
Reorganization Plan, I. C. C. Final, 89, 967
Streamlined Trains Ordered, New, 604
Streamliners, Statistics on, 575*
Williams, R. L., Chief Executive Officer, 180*, 299, 506
Chicago, Aurora & Elgin:
Status Under Railroad Retirement Act, 262
Union Asks Audit of, 630
Chicago, Burlington & Quincy:
Cars, Sleeping, for "Denver Zephyrs," 65*
Equipment Program, 505, 604
"Exposition Flyer" a Permanent Train, 353
Industrial Site to be Developed, 630
Locomotives, Diesel-Electric, Operation of; H. H. Urbach on, 108
Motor Transport Operations in 1938, 145
"Pioneer Zephyr" in Collision with Freight Locomotive, 534
Produce Terminal at Kansas City, 901, 1009
Q. O. & K. C. Acquisition, 201
"Zephyr" Christmas Traffic, 1006
"Zephyrs," Earnings and Traffic of, 564*
"Zephyrs'" Eight Millionth Mile, 717
Chicago Great Western:
Equipment Depreciation Rates, 935
Reorganization Plan Approved by Court, 426, 726, 900
Chicago, Indianapolis & Louisville: L. F. DeRamus Appointed Chief Executive Officer, 163*
Chicago, Memphis & Gulf Files Under Chandler Act, 870
Chicago, Milwaukee, St. Paul & Pacific:
Equipment Program Planned, 505
"Hiawatha" Christmas Traffic, 1006
"Hiawatha" Earnings and Traffic, 567*
Round-Trip Ticket Time Limit Extended, 194
Teletype Facilities Extended, 315*
Truck Design Tested, New Passenger Car, 832*
Chicago, North Shore & Milwaukee:
High-Speed Electric Trains Planned, 540
Status Under Labor Act and Retirement Act, 197, 322
Chicago Railway Special Agents and Police Association: Annual Dinner, 934
Chicago, Rock Island & Pacific:
C. R. I. & G. Lease, Labor Conditions Attached to, 121 (Federal Court Decision), 628, 758, 898 (Supreme Court Decision)
Cimarron River Cut-Off Opened, 122
Equipment Program, 540
I. C. C. Decision Regarding Future Abandonment of G. T. & W., 323
Locomotives, Davenport Besler Diesel Switching, 879*
Motor Truck Certificates Granted to, 798
Produce Terminal at Kansas City, 901, 1009
Reorganization Plan, I. C. C. Proposed, 495, 932
"Rockets," Earnings and Traffic of, 564*, 568*
"Rockets," New, 124*, 677, 717, 762*
Stock Books, One-Item, Introduced, 926*
Trackage of G. T. & W. Acquired, 628
Truck-Hoist, New, 975*
Chicago, South Shore & South Bend: Status Under Railroad Retirement Act, 157
China:
Japanese Firm to Run Railroads Formed, 264
Railroad from Kumming to Burma Planned, 314
Christmas Observed by the Railroads, 981
Cincinnati Union Terminal: Suit on Minimum Wage Paid to Red Caps, 758
Citrus Fruits, Estimated Weights on, I. C. C. Hearing on, 83
Citrus Rates to Baltimore, I. C. C. Proposed Report on, 319; Maritime Commission Proposed Report on, 381
Civil Aeronautics Authority:
Air Line Traffic in June, 266; October, 902
Railway Express Agency Contracts Investigated, 799
Civilian Conservation Corps: Passenger Fare Reductions Disallowed, 47, 196, 498, 628, 860
Claims:
Disability Claims Handled by Railroad Retirement Board, 322
Loss and Damage; 1938 and 1939, 598, 600
Robbery; First Half of 1939, 601
Class Rate Investigation, I. C. C., 208*, 218
Class Rates Simplified in New Zealand, 455
Cleveland, Cincinnati, Chicago & St. Louis: Retirement Board Ruling on Shop Contracts Corrected, 48
Cleveland Railroads Ask I. C. C. Probe of Stock Yards Service, 1010
Coach Yard at Los Angeles; S. P., 367*
Coal:
Anthracite Truck Loadings Increase, 864
Anthracite Truckers Oppose New Jersey Coal Certificate Act, 324
Consumer's Counsel Files Brief in Rate Case, 500
Costly Economy of Storing, 188*
Lake Cargo Coal Rules, I. C. C. Report on, 226
Price Fixing Opposed by Mississippi Valley Association, 676
Coal and Oil, Comparison of Revenues and Purchases of, 647
Coal Mines and Railroads, Partnership of, 646
Colorado & Southern Seeks R. F. C. Loan to Purchase Streamlined Trains, 939, 940
Commerce Rather Than Agencies Should Be Regulated; J. P. Saunders on, 79
Committee of the Coordinated Associations Organized, 763
Commodity Credit Corporation: Railroads Refuse Cheap Rates and Free Bin Sites to, 323
Competition:
Adjustment of Rates Between Competing Forms of Transport, 999
Freight Forwarders; Roads Granted Fourth Section Relief to Meet, 759, 1008
Motor Coach, Passenger Traffic Officers Report on, 709
Motor Truck; H. W. Clapp on, 979
Peter, Paul and the Barges, 335
Petroleum Traffic; I. C. C. Rate Decision Involving Rail, Water and Motor Carriers, 533, 760, 976
Rail and Truck Pricing Structures, 4*, 64, 101*, 133*, 169*, 208*, 243*, 275*, 305*, 333*, 365*, 397*, 431*, 467*, 513*, 597*, 613*, 644*, 692*, 733*, 781*, 811, 842, 878, 917*, 949, 991
Reed, Senator, on Transportation Problems, 286
Victorian Govt. Rys.: Proposal for Freedom of Railways to Compete with Trucks, 432
Wages and Working Conditions are Part of the Railroads' Competitive Handicap, 276
Concrete, A. S. T. M. Report on, 69
Concrete Bridges, C. N. R. Long-Span, 102*
Concrete, Deteriorated—Causes, Detection and Methods of Repair, 657
Congress Has Not Yet Tackled the Real Railroad Problem, 205†
Congress, Special Session of, 417, 760
Consolidations:
C. R. I. & P. Lease of C. R. I. & G., Labor Conditions Attached to, 121 (Federal Court Decision), 628, 758, 898 (Supreme Court Decision)
Commissioner Miller Again Urges, 41
G. M. & N.-M. & O. Merger, I. C. C. Approves, 660
Pacific Electric-Motor Transit Merger, 120
Sherrington, C. E. R., on, 156
Construction Indices for 1938, Railroad, 141
Construction, New: (See also Railway Construction at End of Index)
C. of N. J. Grade Separations at Elizabethport, 784*, 832 (Correction)
C. & O. Grade Separations at Toledo, 852*
C. R. I. & P. Cimarron River Cut-Off, 122
N. & W. Hotel Roanoke Modernized, 820*
St. Louis Municipal Bridge Completed, 923*
S. P. Coach Yard at Los Angeles, 367*
S. P. Line Revision in Southern California, 280*
Southern Railway Grade Separations at High Point, N. C., 882*
Steam Railways, in Latin America, 922
W. P. Locomotive Shop at Sacramento, 406*
Consumers Union Proposes Government Ownership of Railroads, 932
Containers, Refrigerated, Shippers Seek Lower Rates on Shipments in, 319
Co-operation Between C. P. R.-C. N. R., 74, 192
Co-operation Between Maintenance and Operating Departments to Prevent Slow Orders, 306†, 656
Co-ordinated Rail-Highway Service:
Alabama & Florida Auto-Railer, 757*
G. N. Glacier Park Tours, 674*
Hauling of Material for Colorado River Aqueduct Completed, 449
I. C. Operations at Carbondale, 447*
K. C. S. Reduces Train Stops By, 672*
M. P. Flexible Truck Operations, 290*
M. P. Service in Lower Rio Grande Valley, 161
Motor Terminals Demonstrates Milk Tank and Merchandise Equipment, 973*
N. Y. S. & W. Commuter Service, 160, 217*
S. P. Trucks in Texas, 117*
West Virginia Transportation Company, 972*
Co-ordination and Policing of Transportation; W. J. Williamson on, 902
Co-ordination of Facilities: Comm. Miller on, 43
Co-ordination of Rail and Truck Services; New York Times on, 306
Cor-Ten Steel (See Steel)
Corrosion Due to Brine Drippings, Chemical Developed to Prevent, 760
Corrosion Resisting Material; Application to Railroad Electric Construction, 746
Cost-Finding, I. C. C. Gets Appropriation for, 159, 229, 322
Cost-Finding Study Made by California Railroad Commission, 150*
Cost of Transportation Service; W. J. Williamson on, 797
Costs: (See also What Will the Traffic Bear?)
Adjustment of Rates Between Competing Forms of Transport, 999
Construction Indices for 1938, Railroad, 141
Locomotives, Diesel-Electric Switching; Cost Per Service Hour; A. T. & S. F., 112
Passenger Car Maintenance at Terminals, 792*
Rail and Truck Rates and Costs Compared, 352 and 903 (Petroleum Rate Case), 842, 917*
Track Labor, Effect of Heavier Rail on, 336*
Upper Mississippi Waterway Project, 403*
Couch, C. P. Elected President of K. C. S., 298*
Council Bluffs: Railroad Appreciation Week, 536, 634*
Counterbalancing of Locomotives, Report of Committee on Further Development of Reciprocating Steam Locomotive on, 35
"Country Life": Handling Horses by Truck and by Rail, 864
Coupler, A. A. R. Tight-Lock, Yoke and Radial Connection, Laboratory Tests of, 29
Couplers, Mech. Div. Report on, 28
Court Decisions (See Legal Decisions)
Credit Rules for Railroads and Motor Carriers, Treasury Division Discusses, 497
Crossings, Highway Grade: (See also Grade Separations)
Accidents (See Accidents)
Federal Appropriation for 1939-40, 84
New York Program for 1940, 861
Protection for a Town, 335†
Protection for High-Speed Trains, 592*
Recklessness at Crossings, 734†
Crossties (See Ties)
Cylinders, Report of Committee on Further Development of the Reciprocating Steam Locomotive on, 34

D

Davenport Besler Corp.: C. R. I. & P. Diesel Switching Locomotives, 879*
Dearborn Chemical Co.: License to Practice Certain Patented Processes, 88
Delaware & Hudson:
Coaches for the "Laurentian," 812*
Fan Trip Over Unusual Route, 419
Locomotive Boiler, Fusion-Welded, Mech. Div. Report on, 33
Welded Rail, Report of Committee on Stresses in Track on, 38*
Delaware, Lackawanna & Western:
Cars, Diner and Lounge-Buffet, with Novel Photographs, 50*, 374*
Fan Trips, 47, 599
Morris County Bicentennial Celebration, 500, 632*
Scranton Facilities, Inspection Tour of, 831
"Stop-Off" Cars May Be Placed Originally at "Stop-Off" Points, 681

GENERAL INDEX—Continued

[Illustrated articles are indicated thus; Editorials thus†; Letters to Editor thus‡]*

Demurrage and Storage Rules Liberalized, 295, 599
Demurrage Charges During a Strike, I. C. C. Decision on, 978
Denney, C. E., Elected N. P. President, 525*
Denver & Intermountain: Proposed Report Recommends Exemption from Retirement and Unemployment Insurance Acts, 977
Denver & Rio Grande Western:
Boettcher, C. K., to Re-purchase D. & S. L. Stock, 934
Collision at Denver with A. T. & S. F., 294
"Exposition Flyer" to be Permanent Train, 353
Motor Transport Operations in 1938, 145
R. F. C. Loan Order Modified, 684
Reorganization Plan Approved by I. C. C., 222, 382, 426, 638
Denver & Salt Lake: C. K. Boettcher Agrees to Re-purchase Stock of, 934
Denver Produce Terminal Opened, 225
Denver Produce Terminals, Competitive, I. C. C. Hearing on, 120, 296
Depreciation Rates for Equipment, 84, 225, 603, 762, 935
Despatch Shops, Inc.; Status Under Railroad Retirement Act, 124
Detroit & Toledo Shore Line: Equipment Depreciation Rates, 225
Dewey, Thomas, on Private Enterprise and the Government, 950
Diesel-Electric Locomotives (See Locomotives)
Diesel Train Speed of 133 M. P. H. in Germany, 84
Diesel Trains and Rail Motor Cars Purchased by Argentine State Railways, 712
Disability Claims (See Claims)
Dismissal Pay, Court Rules I. C. C. Lacks Power to Impose, 121, 628, 758, 898 (Supreme Court Upholds I. C. C.)
Dispatching Buses at Little Rock; M. P., 78*
Donnelly, Charles, Death of, 377*
Door Opener and Closer, Yale & Towne Automatic, 851*
Draft Gears, Mech. Div. Report on, 27
Drainage Problem Involved in Track Depression at High Point, N. C.; Southern, 882*
Drive Yourself Service to be Established by Railroads, 707
Driving Journals (See Journals, Driving)

E

Earnings in September, 735†
Earnings Per Mile; First Six Months, 305†
Eastern Car Foreman's Association Outing, 160
Eastern Presidents' Conference:
Continuance of 2.5-Cent Fare Sought, 829, 933
Free Transportation Restricted by, 764
Railroads to Take Same Space at New York World's Fair Next Year, 679
Eastern Roads Seek to Continue 2.5-Cent Fare, 829, 933
Economic Preparation for War, 331†, 363†, 395†, 429†, 465†, 511†, 655 and 676 (S. O. Dunn on), 689†
Economic Progress and Technological Progress; S. O. Dunn on, 7
Edison Primary Cells, Fiftieth Anniversary of, 420, 802*
Edison's First Electric Locomotive: Model Exhibited, 802*
Education, Adult, on the C. P. R., 134*
Electric Construction, Application of Corrosion Resisting Material to, 746
Electrification:
Italian High Speed Runs, 501
P. R. R. Evolution from Steam to Electric Traction, 440*
Sorocabana Railway, 700
Electro Chemical Engineering Corp.: Research on Boiler Foaming, 650
Electro-Metallurgical Company: Photographs in D. L. & W. Car, 50*, 374*
Electro-Motive Corporation:
C. & N. W. "400" Locomotive, 736*
Locomotive Exhibited at N. Y. World's Fair Returned to S. A. L., 760
Employees:
Attitude Towards Railroads and Public, Comm. Eastman on, 496
C. R. I. & P. Lease of C. R. I. & G., Labor Conditions Attached to, 121 (Federal Court Decision), 628, 758, 898 (Supreme Court Decision)
Employee and His Job; H. D. Pollard on, 226
French National Rys.; 45-Hour Week, 152
Hours of Service (See Hours of Service)
Maintenance of Way (See Maintenance of Way)
Number and Credited Compensation in 1937 and 1938; Railroad Retirement Board Report, 1010
Number Earning Wages in Other Industries, 52
Number of; June, 122; July, 265; August, 419; September, 601; October, 762; November, 901
Shopmen Being Called Back to Work, 420
Employees:—(*Continued*)
Strikes (See Strikes)
Training and Coaching Supervision, 620
Trainmaster, How to Select a, 412
Wages:
British Railways; C. E. R. Sherrington on, 161
British Railways Grant Increase, 296, 322, 352
"Fortune" Article on Wages Paid N. Y. C. Passenger Crews, 713
Management of a Great Industry, 241†, 273†
Red Cap "Accounting and Guarantee Arrangement"; Court Test of Validity of, 628, 758, 800
Silver Dollar Day at Purcell, 212
Wages and Working Conditions are Part of the Railroads' Competitive Handicap, 276
Employees' Suggestion System on I. C., 265
Enginehouses:
Glazing Maintenance in, 703
Maintenance of Roofs, 705
Enola Yard, Car Retarders in; P. R. R., 146*
Equipment:
Estimates of Need for, 332†
Government Financing of, Bill for, 119, 131†, 156, 193, 227 (Bill Killed)
Installations, 195, 322, 453, 633, 800, 979
Jones, Jesse, on Demand for, 434
On Order, 196, 322, 453, 633, 800, 979
Orders in June and Six Months, 63†, 88; July, 232; August, 386; September, 514†, 539; October, 724; November, 906
Railroads' Program to Prevent Car Shortage, 433, 465†
Equipment Depreciation Rates, 84, 225, 603, 762, 935
Equipment Programs, 425, 456, 505, 540, 604, 635, 804
Erie:
Fan Trip, 225
N. Y. Towns Refuse Bus Operator a Permit Fearing Loss of Rail Service, 499
R. F. C. Loan Granted, 89, 360, 506, 606, 836
Reorganization Plan, I. C. C. Proposed, 317; Hearing on Various Plans, 802
Rest Rooms at Jersey City Renovated, 751*
Subsidiaries Curtail Train Service, 454
Woodruff, R. E., Named Co-Trustee and Chief Operating Officer, 659*
Essay Contest for 1939; P. & S. Division, 188*
Essay Contest for 1940, P. & S. Division, 863
Excursions:
B. & M. to Continue Until Columbus Day, 294
D. L. & W. Fan Trips, 47, 599
Erie Fan Trip, 225
Fan Trip Over Unusual Route; N. Y. O. & W.-West Shore-D. & H., 419
L. & N. E. Fan Trips, 86, 599
N. Y. N. H. & H.-B & M. Fan Trip, 86
"Rail Ramble"; Reading-L. & N. E., 86
Exhibits:
Bridge & Building Supply Men's Assoc., 681
Engineering Associations Discuss Consolidation of, 500
"Railroads to New York"; Museum of the City of New York, 900, 934
Track Supply Association, 504
Export Bill of Lading Modified, 158, 829
Export Grain Rates, Proposed Reductions Suspended, 263, 900
Express Rates:
R. E. A. Rates on Bulk Oyster Shipments, 601
R. E. A. Truck-Competitive Rates, 293
Express Traffic Handled at World's Fair, 419
Express Traffic, Senate to Investigate Railroad Methods of Handling, 47, 120, 422, 501, 595, 603, 762

F

Fair Labor Standards Act:
Railroad Industry Committee Formed, 602, 759
Red Cap "Accounting and Guarantee Arrangement"; Court Test of Validity of, 628, 758, 800
Fairbanks-Morse Company: Diesel Engines in Southern Railway "Vulcan" Trains, 399*
Fares (See Passenger Fares)
Farmer and Freight Rates; Bureau of Agricultural Economics on, 1011
Fast Runs (See Speed of Trains)
Federal Barge Line (See Inland Waterways Corp.)
Federal Communications Commission; Wider Use of Radiotelephony Recommended to, 935
Federal Loan Administration: Jesse H. Jones to Head, 47, 196
Federal Trade Commission Act, Amendment Proposed to, 192
Federal Transportation Association: Annual Meeting, 933
Federal Works Administration: John M. Carmody to Head, 47
Federated Malay States: Report of Transport Board, 346
Fertilizer Rate Increase, I. C. C. Proposed Report Opposes, 498
Films (See Motion Pictures)
Financing:
B. & O. Interest Modification Plan, 233, 450, 503, 605, 684
B. & M. Interest Reduction Plan, 763
C. of N. J. Interest Adjustment Plan, 54, 197, 268, 700, 805
L. V. Interest Adjustment Plan, 268, 541
M. W. & S. Readjustment Plan, 297, 940
Regulation of Outside Investments of Railroads, Wheeler-Truman Bill for, 44, 120, 222
Terminal Railroad Association of St. Louis Bond Issue, Competitive Bidding on, 54, 89, 123, 234, 269, 298, 387
Fire Hazards, New Products Alter, 622
Fire Losses, 1919-1938, 627
Flexomotives in Service, Plymouth, 436*
Floods in Southern California, S. P. Meets the Challenge of, 280*
Florida East Coast:
Adjustment of Rate Divisions on Fruit and Vegetable Traffic, 903
"Champion" Trains, 53, 158, 833, 897, 962*
Florida Towns Praise Road and Founder, 979
"Henry M. Flagler"; Jacksonville-Miami Streamliner, 717, 897, 962*
Train-Naming Contest, 453, 833
Florida Roads' Tax Base Reduced, 198
Florida Towns Praise Railroads and Their Founders, 979
Fluorescent Lighting (See Lighting)
Fonda, Johnstown & Gloversville: Motor Transport Operations in 1938, 143
Fort Worth & Denver City: Equipment Depreciation Rates, 762
"Fortune":
Article on Baldwin Locomotive Works, 977
Article on P. R. R. Station at N. Y., 86
Round Table on Railway Situation, 194
Wages of Passenger Crews Estimated in Article on New York Central, 713
Fourth Section Relief Granted Pullman Co., 46
Fourth Section Relief on Petroleum Traffic to Points on Tennessee River, 898
Fourth-Section Relief to Meet Forwarder Rates Granted to Roads, 759, 1008
Franklin Institute Medal Awarded to Lewis H. Brown, 715
Free Transportation, Eastern Roads Restrict, 764
Free Transportation, New Regulations for, 197
Freight Car Loadings:
Gains in Railroad Traffic, The, 614†, 7[illegible]†
N. & W. Coal Loadings at All-Time High, 630
Shippers' Estimates, Accuracy of, 107*
Shippers' Estimates: Third Quarter, 83, 123; Fourth Quarter, 451, 452, 493, 497, 595; First Quarter of 1940, 1006
"Stop-Off" Cars May Be Placed Originally at "Stop-Off" Points, 681
Weekly Reports, 48*, 85, 122, 158, 197, 227*, 263, 294, 323, 354*, 381, 420, 454, 502, 535*, 601, 631, 680, 718*, 761, 800, 833, 862*, 901, 936, 980, 1009
Year 1939; J. J. Pelley on, 1008
Freight Classification:
A. A. R. to Simplify, 120, 133*, 196, 323
I. C. C. to Investigate, 208*, 218
Motor, I. C. C. to Investigate, 263
Woodlock, T. F., on, 699
Freight Commodity Statistics by Geographical Areas Required by I. C. C., 863, 1008
Freight Consolidators and Forwarders Institute Organized, 1010
Freight Forwarder Company Stocks Trusteed by Railroads, 155
Freight Forwarder Traffic, Senate to Investigate Railroad Methods of Handling, 47, 120, 422, 501, 595, 603, 762
Freight Forwarders:
I. C. C. Decision on Rates to be Paid by, 262, 535
I. C. C. Denies Permits to, 761
I. C. C. Drops Probe of Tariffs Covering Advances to, 831
I. C. C. Rejects Truck Rates for, 266, 535, 760, 797, 861
N. I. T. League Favors, 855
Roads Granted Fourth Section Relief to Meet Rates of, 759, 1008
Freight Forwarding Investigation Case:
Hearings on Reopened Phases, 264, 454, 633
Order on Billing Charges Postponed, 155
Railroad Stock in Forwarding Companies Trusteed, 155
Freight Handling:
Girders, Long, Handled by P. R. R., 190*
Handling Horses by Truck and by Rail, 864
Possibilities for Main-Tracking, 378*
Wheat Crop Handled Without Delay, 262
Freight Operating Statistics: April, 58; May, 270; June, 329; July, 463; August, 687; September, 873; October, 987
Freight Rates (See Rates, Freight)
Freight Service: (See also L. C. L. Service)
A. T. & S. F. Service Speeded Up, 933, 1006
M-K-T Fast Service to Texas, 452
N. Y. O. & W. "Pony Express" Service, 265
St. L.-S. F. Methods of Selling, 826*
Substitute, I C. C. Report on, 292, 384, 419, 628, 717

Freight Traffic:
A. A. R. Acts to Prevent Congestion at North Atlantic Ports, 765
Gains in, The, 614†
Highway Traffic Handled by Railroads, 84
I. C. Fast L. C. L. Train Increases, 934
Increase That Roads Could Handle, 384, 417, 465†, 526*, 595, 629, 677, 689†, 799, 839†, 863
Opportunities to Develop; C. E. Johnston on, 623
Pricing Structure, Inquiry Into the, 4*, 64, 101*, 133*, 169*, 208*, 243*, 275*, 305*, 333*, 365*, 397*, 431*, 467*, 513*, 597*, 613*, 644*, 692*, 733*, 781*, 811, 842, 878, 917*, 949, 991
Tonnage and Production, 1928-1938, I. C. C. Study of, 888*, 991
Tonnage Shifted from Rail to Truck in New York, 797
Freight-Train Slack, Use of Brakes to Control, 647
Freight Trains, Average Speed of; New Record, 266
French National Railways:
45-Hour Week Established on, 152
Taken Over by War Ministry, 350
Frisco Transportation Company:
Acquisition of Truck Lines Sought, 677
Bus Routes Purchase Authorized, 628
Missouri Bus Routes, Joint Board Recommends Certificates for, 351
Operations in 1938, 144
Purchase of Truck Lines Recommended, 832
Front End Design; F. P. Roesch on, 652
Fruit and Vegetable Carload Rate Increases, 196
Fruit and Vegetable Handling on the S. P., 219*
Fuel:
Conservation from the Superintendent's Viewpoint, 645
Conservation of, Mech. Div. Report on, 34
Fuel-Economy Check List; R. F. & T. E. A., 650
Full-Crew Law In Pennsylvania Held Illegal, 860
Fusion-Welding (See Welding)

G

Gavin, Frank J., Elected President of G. N., 494*
General American Tank Car Corporation: Supreme Court to Review Mileage Payments Case, 603
General American Transportation Corporation:
Experimental Tank Cars Authorized, 201, 867
Flexomotives, Diesel Switching, 436*
Morrell Plywood Refrigerator Cars, 137*
General Chemical Company: Experimental Tank Cars Authorized, 982
General Electric Co.: Personnel Changes, 835*
General Machinery Corp.: Hydraulic Transmission Diesel Locomotives Demonstrated, 265, 625*
German State Railways:
Accidents Since War Began, 1006
Diesel Train Makes Speed of 133 M. P. H., 84
Germany:
Berlin-to-Tokyo Railway Considered, 318
Black Tom Explosion, Assessment for, 719, 978
Highway Passenger "Train," 251
Locomotive Industry, Status of, 118
Girders, Long, Handled by P. R. R., 190*
Glazing Maintenance in Shops and Enginehouses, 703
Golf Outing of Anthracite Roads, 225
Government Financial "Aid" to Railways, 131†
Government Lending-Spending Program, 119, 131†, 156, 193, 227 (Bill Killed)
Government Loans for Buying Equipment and Bonds Proposed, 119, 131†, 156, 193, 227 (Bill Killed)
Government Ownership:
Appealing to the Selfish Interest in the Railroad Problem, 363†, 395†, 511†
Consumers Union Proposes, 932
Debate Manual Issued by A. A. R., 485
Debate to Be Broadcast, 716
Labor Publication Suggests Plan for, 418
No Possible Need for, 430†, 735
Selfish Interest of Business in Private Ownership of Railways, 244, 303†
Shall We Have Stateism in the United States?, 611†, 641†
Swedish Railroads to be Nationalized, 265
Transportation Competition and Buying Under, 169†
Truck Propagandists Stumble Upon an Embarrassing Truth, 311*
War and the Transportation Problem, 395†, 511†, 689†
Wendell Willkie's Magnificent Dramatization of Utilities' Plight, 279
Williamson, W. J., on, 797
Government Re-employment and Recovery Program of the B. R. T., 121
Grade Crossings (See Crossings, Highway Grade)
Grade Separations:
C. N. R. Long-Span Concrete Bridges, 102*
C. of N. J. at Elizabethport, N. J., 784*, 832 (Correction)
C. & O. Structures at Toledo, 852*
L. I. Projects Inspected by News Men, 631
Southern Railway at High Point, N. C., 882*
Grain Rate Reductions, Buffalo-N. Y., Found to be Too Low, 863
Grain Rates, Export, Proposed Reductions Suspended by I. C. C., 263, 900
Grates and Ash Pans, R. F. & T. E. A. Report on, 650
Great Britain:
"Agreed Charges" Plan, 74
Engineers Unable to Attend American Conference Because of War Crisis, 354
Loewy, Raymond, Honored by Royal Society of Arts, 52
Railroads Regain Fresh Meat Traffic, 975*
Railroads Taken Over by Minister of Transport, 420, 435
Railway Problem; C. E. R. Sherrington on, 156
Railway Results in 1938, 887
Railway Wage Increase Case, 296, 322, 352
Railway Wages; C. E. R. Sherrington on, 161
Railway War-Time Operations, 532, 843*
"Square Deal" Campaign, 74
Great Northern:
Gavin, Frank J., Elected President, 494*
Glacier Park Motor Coach Tours, 674*
Pooling of Passenger Traffic with N. P. and M. St. P. & S. S. M., Proposed Report on, 420
Greece, Motor Vehicle Regulation in, 386
Greyhound Corporation:
Authority for Maine Operations Denied, 322
Control of Eastern Michigan Motorbuses Denied Because of Rail Affiliations, 324
Greyhound Security Issues Authorized, 196, 264
Gulf, Mobile & Northern:
M. & O. Merger Approved by I. C. C., 660
"Rebels," Earnings and Traffic of the, 570*
Gulf, Mobile & Ohio: G. M. & N.-M. & O. Merged Into, 660
Gulf Transport Company: Trucking Certificates Granted to, 597

H

Harriman Award Committee, B. F. Fairless Appointed to, 535
Harriman Award Publicized by N. & W., 160
Harvey Employees' Status Under Railroad Retirement and Unemployment Insurance Acts, 124
Heat Treatment; Effect on Rail Steel, 211
High-Speed Trains:
Braking Problem of, 586, 648, 695
Development of, Peter Parke on, 693
Signaling Affected by, 591*
Track Maintenance and, 522, 589*
High Speeds, Maintenance of Curves for, 489
Highway Improvements, Government Program for, 124, 157, 193, 227 (Bill Killed)
Highway Passenger "Train" in Germany, 251
Highway Service, Railroad Substitution of, I. C. C. Report on, 292, 384 (St. L. S. W.), 419, 628, 717
Highway Traffic Handled by Railroads, 84
Highways:
Program for U. S.; H. S. Fairbank on, 630
Superhighway Construction Program Advocated by T. H. MacDonald, 782†
Superhighway System Regardless of Cost, 206†
Toll Roads and Free Roads, Report on, 206†, 731†
Value of Roads in a War, 629
Hitlerism at Home, 611†, 641†
Hoboken Manufacturers' R. R.: I. C. C. Report on Divisions on Seatrain Traffic, 296
Hoist, New Truck-; C. R. I. & P., 975*
Holden, Hale, Retirement of, 151*
Horner, F. C., Tries a Couple of Miracles, 731†
Horses, Handling of, by Truck and by Rail, 864
Hours of Service:
I. C. C. Has Power to Regulate All Motor Carrier Employees; Court Decision, 897, 977
I. C. C. Proposed Report on Rules for Private Truckers, 223, 598, 858
Household Goods, Rules for Motor Common Carriers of, 198, 294
"Hutchinson (Kans.) News": Barges on a Bar, 630
Hydraulic Transmission for Diesel Locomotives Demonstrated, 265, 625*
Hydro Transmission Corp.: Hydraulic Transmission Diesel Locomotives Demonstrated, 265, 625*

I

Idaho Intrastate Rates, I. C. C. Report on, 263
Illinois Central:
Accounting Offices Consolidated, 158
Bonds to be Bought and Deposited with R. F. C., 233, 457
Employees' Suggestion System a Success, 265
Equipment Program, 456
Export Grain Rates Suspended, 263
"Green Diamond" Earnings and Traffic, 570*
L. C. L. Train, Second Section Added to, 934
Motor Trucks Relieve Trains of L. C. L., 47
Rail-Truck Co-ordination at Carbondale, 447*
R. F. C. Loan Denied, 638, 870
Store-Door Service Petition Denied, 797
Timetable Streamlined, 199
Train Robbery Foiled, 225
Trainload Rates Sanctioned, 419, 714, 759, 947†, 969
What Water Treatment Has Done for, 1002*
Illinois Terminal: Railway Express Service Used by, 119
Improvement Program; St. L. S. W., 860, 982
Income Per Capita, Decrease in, 809†
Indiana R. R.: Truck Operations Authorized, 981
Inland Waterways Corporation:
Ashburn, T. Q., Resignation of, 796, 829
Department of Commerce Control Over, 158
Liquidation Proposal, 46
U. S. Maritime Commission to Investigate, 121
"War Situation" Precludes Sale of, 980
Institute of Scrap Iron and Steel: Report on Scrap Iron and Steel, 252*
Insurance Regulations of Motor Carriers: Rule VIII Affirmed by I. C. C., 381
Internal Revenue Law Changes Proposed by A. A. R., 865
International Brotherhood of Red Caps: Suit to Secure Back Wages Started, 800
International Railway General Foremen's Association (See Locomotive Maintenance Officers' Association)
Interstate Commerce Act:
Amendments Proposed to, 122, 161
Wheeler-Truman Bill to Revise, 99†, 115, 153, 182, 198, 205†, 224, 255, 763
Interstate Commerce Commission:
Accounting Order, New, Issued, 977
Accounting Order on "Protective Service-Perishable Freight" Postponed, 798
Acme Fast Freight, Inc., Status of, 262, 535, 680, 861
"All-Freight" Rates Cases, 46, 49, 84, 223, 422, 535, 599, 677, 699
Alleghany Corporation Inquiry Abandoned, 801
Automobile Rates, Investigation of, 199, 320, 601, 661, 715, 761
B. & M.-M. C. Seek Elimination of Four Classes of L. C. L. Rates, 119, 294
Brotherhood of Railway Clerks Complaint Against Express Agency Withdrawn, 832
Bureau of Finance: Decision Regarding Future Abandonment of G. T. & W. if Purchased by C. R. I. & P., 323
Bureau of Safety:
Accident Investigations, 1938-39, 801
Hawley, J. S., Named Assistant Director, 679
Mills, S. N., Appointed Director, 596, 631*
Bureau of Statistics:
Accident Statistics for 1938, 748
Comparisons of Revenues Per Ton-Mile, 934
Cost-Finding Studies, Supplemental Appropriation for, 159, 229, 322 (Staff Appointments)
Positions to be Filled in, 800
Tonnage and Production, 1928-1938, 888*, 991
Water Carrier Reports for 1938, 630
Bureau of Valuation: Railroad Construction Indices for 1938, 141
C. of N. J. Interest Adjustment Plan, 54, 197, 268, 700, 805
Charges for Protective Services to Perishables, 294
C. A. & E. Status Under Retirement Act, 262
C. N. S. & M. Status Under Labor Act and Retirement Act, 197, 322
C. R. I. & P. Lease of C. R. I. & G., Labor Conditions Attached to, 121 (Federal Court Decision), 628, 758, 898 (Supreme Court Decision)
C. S. S. & S. B. Status Under Retirement Act, 157
Citrus Fruits, Estimated Weights on, 83
Citrus Rates to Baltimore, Proposed Report on 319; Maritime Commission Proposed Report on, 381
C. C. C. Passenger Fare Reductions Disallowed, 47, 196, 498, 628, 860
Class Rate Investigation Launched, 208*, 218
Cleveland Railroads Ask Probe of Stock Yards Services, 1010
Coal Rate Case, Consumer's Counsel Files Brief in, 500
Commission Bows to Politics, The, 875†
Demurrage Charges During a Strike, 978
Denver & Intermountain Exempted from Pension and Unemployment Insurance Acts in Proposed Report, 977
Denver Produce Terminals, Competitive, Hearing on, 120, 296
Depreciation Rates for Equipment, 84, 225, 603, 762, 935
District Director at Charlotte, N. C., New, 46
Divisions on Southwestern-Official and Official-Southern Rates, New Bases for, 320
Eastern Roads Seek to Continue 2.5-Cent Fare, 829, 933
Export Grain Rate Proposed Reductions Suspended, 263, 900
Fertilizer Rate Increase Opposed, 498
F. E. C. Rate Divisions on Fruit and Vegetable Traffic Adjusted, 903
Fourth Section Relief Granted Pullman Co., 46
Fourth-Section Relief to Meet Forwarder Rates Granted, 759, 1008
Free Transportation, New Regulations for, 197
Freight Classification Investigation Launched, 208*, 218
Freight Commodity Statistics by Geographical Areas Required, 863, 1008
Freight Forwarders Denied Permits, 761
Freight Forwarders, Rates to be Paid by, 262, 266, 535, 760, 797, 861

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡*]

Interstate Commerce Commission:—(*Continued*)
Freight Forwarding Investigation Case, 155, 264, 454, 633
Fruit and Vegetable Carload Rates, 196
Grain Rate Reductions, Buffalo-N. Y., Found To Be Too Low, 863
G. M. & N.-M. & O. Merger Approved, 660
Highway Traffic of Railroads, Report on, 84
Hoboken Manufacturers' R. R. Divisions on Seatrain Traffic, Report on, 296
Independence of; Dr. B. H. Meyer on, 85
L. C. L. Charges in Central Territory, Proposed Probe of, 420
L. C. L. Truck-Competitive Rates in New England, 596
Lake Cargo Coal Rules, Report on, 226
Livestock Pick-Up Service Recommended in Proposed Report, 831
M. W. & S. Readjustment Plan Approved, 297, 940
Motor Carrier Regulation (See also Names of Companies)
Agents Must Be Allowed to Inspect Records and Accounts, 598
A. T. & S. F. Train-Connection Services Not Subject to Motor Carrier Act, 678
Auto Transporters Warned on Relief Drivers Sleeping in Cars, 454
Central Territory Contract Carrier Rates, Investigation of, 858, 978
Cincinnati Commercial Zone, Proposed Report on, 934
Contract Carrier Rates to be Made Public, 858, 978
Contract Truckers, I. C. C. to Check Restrictions on, 715
Greyhound Securities Authorized, 196, 264
Hours of Service of All Employees Controlled by; Court Decision, 897, 977
Insurance Regulation Rule VIII Affirmed, 381
Jurisdiction Over Local Contract Carriers Hauling Interstate Shipments, 350
Motor Carrier May Give Up Certificate Without I. C. C. Permission, 902
Motor Truck Rates for Forwarders Rejected, 266
Philadelphia Commercial Zone, 222
Private Truckers, Proposed Report on Safety Rules and Hours of Service for, 223, 598, 858
Rules for Chartered Bus Service, Proposed, 977
Rules for Transportation of Household Goods, 198, 294
Service Stoppage Due to Bankruptcy Voids "Grandfather" Rights, 1012
Transcontinental, Low-Fare Bus Service Authorized, 634
User of Owner-Drivers Entitled to "Grandfather" Rights, 325
Motor Freight Classification Investigation, 263
National Transportation Authority Bill, Eastman Report on, 123
N. J. & N. Y. Denied Mail Pay Increase, 354, 862
N. Y. N. H. & H. "All-Freight" Rates, 46, 599, 699
North Carolina Intrastate Rates, 596
Ore-Dock Workers Status Under Labor Act, Proposed Report on, 1008
Parcel Post Rate Reduction Allowed, 51
Patterson, W. J., Appointed to, 194*, 225
Per Diem on Cars Delivered to Seatrain Lines, Proposed Report on, 319
Petroleum, Competitive Rates on, Another Probe of, 934
Petroleum Rate Case, Motor Truck and Rail Costs Between California and Arizona Compared in, 352, 903
Petroleum Rate Decisions Involving Rail, Water and Motor Carriers, 533, 760, 976
Petroleum Traffic to Points on Tennessee River, Fourth Section Relief on, 898
Pipe Line Rates, Rules and Regulations, Proposed Report on, 1011
Pipe Rates to and from the Southwest, 324
Pooling of Passenger Traffic on N. P., G. N., and M. St. P. & S. S. M.; Proposed Report, 420
Postalization Investigation Approved by Senate, 121, 197, 226
O. O. & K. C. Acquired by C. B. & Q., 201
Rail and Water Lines Protest Low Truck Rates to Southeast, 864, 977
Rail-Ocean-Rail Rates, New Adjustment Proposed for, 196
Rate Advance Case (See Rates, Freight)
Reorganization of Divisions, 601
Reorganization of Railroads (See Reorganization)
Rubber Tire Low Rates Opposed by Truckers, 717
St. L. S. W. Schedules on Cottonseed and Soya Bean Rates Suspended, 499
Sand and Gravel Rates in Chicago Area, Competitive Reductions in, 601
Scrap, Improperly Loaded, Charges Authorized for, 1010

Interstate Commerce Commission:—(*Continued*)
S. A. L. Grain Schedules at Richmond Suspended, 499
Seatrain Lines, Reconsideration of Status Asked, 900
Senate Investigation of Railroad Express, Forwarder and L. C. L. Operations, Information Gathered for, 422, 501, 595
Southern Branch Line Abandonment Order Upheld by Court, 355
Southern Governors' Rate Case, Report on, 875†, 889
Split Delivery Rules in the South, 123
Standard Oil Rate Complaint Dismissed, 49
Stocker-Feeder Rates; Proposed Report, 351
Stockyard Services, Investigation of, 196
Stoker Order Extended, 5
"Stop-Off" Cars May Be Placed Originally at "Stop-Off" Points, 681
Store-Door Service Petition of I. C. and M. P. Denied, 797
Substitute Highway Service, Report on, 292, 384 (St. L. S. W.), 419, 628, 717
Sugar Rates, Interterritorial, Report on, 295
Tank Cars, Experimental, Authorized, 161, 201, 805, 867, 982
Tariffs Covering Advances to Forwarders; Probe Dropped, 831
Through Export Bill of Lading Modified, 158, 829
Trainload Rates on Molasses Sanctioned, 419, 714, 759, 947†, 969
Truck-Competitive Rates on Cotton Piece Goods, 423
Truckload Commodity Rate Reduction on Automobiles Suspended, 49
Union Stock Yard & Transit Company Ruled a Common Carrier by Supreme Court, 798, 902
Woodpulp Rates Suspended, 84
Interstate Transit Lines, Inc.:
Authorized by I. C. C. to Continue Operations Over Specified Routes, 537
Union Pacific Stages Seeks Merger with, 452
Interterritorial Freight Rates Investigation Proposed, 115, 153, 182
Interterritorial Rate Case, South Wins, 875†, 889
Interterritorial Rates, Bureau of Agricultural Economics on, 1011
Inventories: Materials on Hand: June, 373
Investments of Railroads, Outside, Wheeler-Truman Bill for Regulation of, 44, 120, 222
Iranian Railroad to Purchase Equipment, 159
Iron and Steel Scrap (See Scrap)
Italy, Electrification Brings High Speed Passenger Service to, 501

J

James, Arthur Curtiss, Retirement of, 750*
Japan:
Berlin-to-Tokyo Railway Considered, 318
Firm to Run Chinese Roads Formed, 264
Journal Box Packing; Mech. Div. Reports 9, 14
Journals, Driving, with Oil Lubrication, 11

K

"Kansas City Journal": Missouri River Follies, 783, 848
Kansas City Produce Terminal Planned, 901, 1009
Kansas City Southern:
Co-ordinated Rail-Highway Service, 672*
Couch, Charles P., Elected President, 298*
Effect of Heavier Rail on Track Labor Costs, 338
Motor Transport Operations in 1938, 144
Rate Innovations Planned by, 159
Kansas City Southern Transport Company Seeks Authority to Operate Air Line, 47
Kentucky Statute Prohibiting Transportation of Liquor by Contract Carriers Upheld, 798
Kyser, Kay, Salutes American Railroads, 933

L

L. C. L. Charges in Central Territory, Proposed Probe of, 420
L. C. L. Rates, B. & M.-M. C. Seek Elimination of Four Classes of, 119, 294
L. C. L. Service:
A. A. R. Committee Approves Rate Structure Changes, 831
C. N. R. Box-Baggage Cars for Use in, 308*
I. C. Trucks to Relieve Local Trains of, 47
P. R. R. Fast N. Y.-Pittsburgh Trains, 70*
St. L.-S. F. Sells Fast Freight Service, 826*
S. A. L. Motor Truck Operations, 193
U. P. Challenger Service and Cars, 929*

L. C. L. Traffic:
I. C. Fast Train Increases, 934
Pooling Opposed by Midwest Shippers' Advisory Board, 123; by N. I. T. League, 856; by R. L. E. A., 1009
Roads Granted Fourth Section Relief to Meet Forwarder Competition, 759, 1008
Senate to Investigate Railroad Methods of Handling, 47, 120, 422, 501, 595, 603, 762
Specific Program for the Recovery of, 878
Superintendents' Association Report on, 789*
L. C. L. Truck-Competitive Rates Allowed in New England, 596
Labor:
Prices, Mech. Div. Report on, 24
Track Labor Costs, Effect of Heavier Rail on, 336*
Lake Cargo Coal Rules, I. C. C. Report on, 226
Land Grant Case of N. P. Settled, 46
Land Grant Rates Bill, 115, 153
Land-Use Agreement Between Southern Pacific and U. S. Department of Interior, 765
Lease Dispute between C. & J. and Alton Settled, 225
Legal Decisions: (See also U. S. Supreme Court)
Florida Roads' Tax Base Reduced, 198
Hours of Service of All Motor Carrier Employees to be Regulated by I. C. C., 897, 977
I. C. C. Lacks Power to Impose Dismissal Pay, 121, 628, 758, 898 (Supreme Court Upholds I. C. C.)
I. C. C. Order Permitting Southern Branch Line Abandonment Upheld, 355
N. P. Land Grant Case Settled, 46
Pennsylvania Full-Crew Law Illegal, 860
Legislation:
Bills in Congress, 45, 84, 122, 161, 192, 255, 295 (Correction)
How Congress Left Transport Bills, 255, 295 (Correction)
Wheeler-Truman Bill, 99†, 115 (House Bill), 153, 182 (Passed by House), 198, 205†, 222, 224, 255, 503, 676, 763, 830
Lehigh & New England:
Cars, Covered Hopper, for Cement, 287*
"Rail Ramble" Trip, 86, 599
Lehigh Valley:
Black Tom Decision Attacked in Court, 719, 978
Directors Meet on Train in Pennsylvania, 676
Interest Adjustment Plan, 268, 541
"John Wilkes" Reconditioned Train, 175*
Locomotive Draft Control, Automatic, 650
"Stop-Off" Cars May be Placed Originally at "Stop-Off" Points, 681
Williams, A. N., Elected Chief Executive Officer, 192, 216*
Liability Act Amendments Passed, 161, 192, 295
"Life": Transportation Conference at University of Michigan, 629, 679
Lighting:
Electrical Sections Reports on, 742, 745
Fluorescent, on L. V. "John Wilkes," 178*
Lima Locomotive Works, Inc.: S. P. 2-8-8-4 Coal-Burning Locomotives, 918*
Livestock Pick-Up Service by Railroads Recommended in Proposed Report, 831
Loading Rules, Mech. Div. Report on, 26
Loans: (See also Reconstruction Finance Corp.)
Brazilian Government Loans to Railroads, 768
Government Loans for Buying Equipment and Bonds Proposed, 119, 131†, 156, 193, 227 (Bill Killed)
Locomotive Boilers (See Boilers)
Locomotive Building in Railroad Shops, 48
Locomotive Construction; Mech. Div. Report, 31
Locomotive Counterbalancing (See Counterbalancing)
Locomotive Design; F. P. Roesch on, 652
Locomotive Draft Control, Automatic; L. V., 650
Locomotive Economy Devices, New, R. F. & T. E. A. Report on, 650
Locomotive Front-Ends; F. P. Roesch on, 652
Locomotive Industry in Germany, Status of, 118
Locomotive Maintenance and Operation, 646
Locomotive Maintenance, Co-ordination and Co-operation in; D. S. Ellis on, 664
Locomotive Maintenance Officers' Association, Meeting of, 380, 620, 663, 763
Locomotive Shipments in May, 48; September, 762; October, 901
Locomotive Shops (See Shops)
Locomotives:
A. A. R. Research Program Continued, 798
Diesel-Electric:
Baldwin Stock Locomotives, 908, 992*
C. R. I. & P. Davenport Besler Switchers, 879*
C. R. I. & P., for "Denver Rocket", 124*
Cost Per Service Hour of Switchers, 112
First for Rack-Rail Use; M. & P. P., 196
Hydraulic Transmission for, 265, 625*
Mech. Div. Report on, 32
Number in Service, 32
Operation of; H. H. Urbach on, 108
Plymouth Flexomotives, 436*
Electric:
Model of Edison's First Locomotive, 802*
P. R. R. Evolution from Steam to, 440*

Locomotives:—(*Continued*)
Estimates of Need for, 332†
Lubrication of, Mech. Div. Report on, 11
Motives Controlling the Purchase of, 248
Reciprocating Steam, Mech. Div. Report on Further Development of, 34
Roller Bearings Applied to, Report on, 32
S. P. 2-8-8-4 Coal-Burning Type, 918*
S. P. 4-8-8-2 Type Delivered, 119, 159*
U. P. 4-8-4 Type, 515*
Utilization of, Mech. Div. Report on, 34
Utilization of, R. F. & T. E. A., Report on, 649
Loewy, Raymond, Honored by Royal Society of Arts of Great Britain, 52
London, Midland & Scottish:
Accidents Caused by Blackouts, 634
"Carry On," Employees' Publication to be Issued During War, 887
Long Island:
Fishermen's Specials Operated by, 1005
Five-Millionth World's Fair Passenger, 353
Grade Separations, News Men Inspect, 631
Passenger Traffic to N. Y. World's Fair, 801*
"Swing" Trains to N. Y. World's Fair, 501*
Loss and Damage (See Claims)
Louisiana & Arkansas: Proposal to Purchase Rock Island, Arkansas & Louisiana, 938
Louisiana & North West: Reorganization Plan, 162
Louisville & Nashville: Joint Board Would Deny Certificate for Kentucky-Tennessee Operation, 537
Lubrication:
Cost of Maintaining Passenger Cars, 794
S. P. Spring-Pad Oil Lubricators in Special Cellars, 919, 920*
Lubrication of Cars and Locomotives, Mechanical Division Report on, 9

M

Machine Tool Show Cancelled, 383
Mail Pay Increase Denied N. J. & N. Y., 354, 862
Main-Tracking, Possibilities for, 378*
Maine Central:
Equipment Depreciation Rates, 603
"Flying Yankee," Earnings and Traffic, 563*
"Flying Yankee" on "Mountaineer" Run, 49
L. C. L. Rates; Elimination of Four Classes Sought, 119, 294
L. C. L. Truck-Competitive Rates Allowed, 596
Motor Transport Operations in 1938, 143
Maine Central Transportation Company: Motor Carrier Operations Authorized, 322
Maintenance of Shop and Enginehouse Glass, 703
Maintenance of Shop and Enginehouse Roofs, 705
Maintenance of Way:
Maintenance of Curves for High Speeds, 489
Utilization of Roadway Machines, 490
Maintenance of Way Club of Chicago: High Maximum vs. High Sustained Speed, 77
Maintenance of Way Department, Safety Problems and Responsibilities of, 488
Maintenance of Way Employees: Specialized Versus Section Gangs, 523
Management of a Great Industry, The, 273†
Management, Railway, Another Defeat for, 241†
Manchuria, Charges for Bus Operation in, 439
Manitou & Pike's Peak: Diesel-Electric Rack-Rail Locomotive, 196
Map Showing Routes of Streamlined Trains, 555*
Marketing Problems of Industries, Railroad Interest in; New England Shippers' Advisory Board Report on, 504
Masonry, Maintaining Old, 656
Master Boiler Makers' Association, Meeting of, 380, 620, 651, 763
Material Handling:
N. Y. C. Use of Rolling Bins, 710*
No Frills in P. R. R. Storekeeping, 824*
Material Prices, Mech. Div. Report on, 24
Materials and Supplies:
Inventories (See Inventories)
N. Y. C. Use of Rolling Bins, 710*
No Frills in P. R. R. Storekeeping, 824*
Purchases (See Purchases)
Materials, Specifications for, Mech. Div. Report on, 13
Meat Traffic, Fresh, Regained by British Railroads, 975*
Medal Awarded to Lewis H. Brown by Franklin Institute, 715
Medal Awarded to S. J. Younger by P. R. R., 532
Medal of Honor Awarded to O. P. Scharf, 980
Merchandise (See L. C. L.)
Merchandise Container for Rail-Highway Service, 974*
Mergers (See Consolidations)
Meyer, Dr. B. H., Luncheon in Honor of, 85
Midwest Shippers' Advisory Board:
Betts, L. M., on Car Loading Increase, 603
Pooling of L. C. L. Freight Opposed, 123
Mileage Being Constructed in Latin America, 922
Milk Tank for Rail-Highway Service, 973*
Milk Tank, Road-Rail, Demonstrated at New York World's Fair, 264
Miniature Railway Given to Chicago Museum by A. T. & S. F., 978
Minneapolis & St. Louis:
Equipment Depreciation Rates, 225
Reorganization Plan, Hearings on, 50, 675
Minneapolis, St. Paul & Sault Ste. Marie: Proposed Report on Pooling of Passenger Traffic with G. N. and N. P., 420
Mississippi Valley Association:
Annual Convention, 324, 676, 689†
Trainload Molasses Rate Case, Permission to Intervene in, 759
Mississippi Valley Barge Line, U. S. Maritime Commission to Investigate, 121
Mississippi Waterway, Upper, An Economist Dissects, 403*
Missouri-Kansas-Texas:
Equipment Depreciation Rates, 603
Fast Freight Service to Texas, 452
Motor Truck Operation Inaugurated, 935
Purchasing Methods Revamped, 849*
Use of Brakes to Control Freight-Train Slack, 647
Missouri Pacific:
Boiler Water Foaming, Research on, 650
Booster Clubs, Convention Held by, 535
Co-ordinated Rail-Highway Services, 161, 290*
Motor Transport Operations in 1938, 144
Motor Truck Operations Authorized, 675, 900
Produce Terminal at Kansas City, 901, 1009
Stock Held by Alleghany Corporation Sold for 20 Cents a Share, 1009
Store-Door Service Petition Denied, 797
Trainload Rates Sanctioned, 419, 714, 759, 947†, 969
Missouri Pacific Freight Transport Company: Operations in 1938, 144
Missouri Pacific Transportation Company:
Dispatching Buses at Little Rock, 78*
Operations in 1938, 144
Missouri River Follies, 630, 783, 848
Mobile & Ohio: Merger with G. M. & N. Approved by I. C. C., 660
Mobile & Ohio Transportation Company Seeks to Acquire Line, 760
Molasses Trainload Rates Sanctioned, 419, 714, 759, 947†, 969
Monopoly Investigation (See Temporary National Economic Committee)
Montana, Wyoming & Southern: Financial Adjustment Under Chandler Act Approved by I. C. C., 297, 940
Moroccan State Rys.: Fares Increased, 773
Morrell Plywood Refrigerator Cars, 137*
Moss Tie Company, T. J.: Improved Methods for Tie Seasoning, 309*
Motion Pictures: A. A. R. Film "Let's Keep the Record Straight," 47
Motor Carrier Act:
Aitchison, C. B., on Administration, 679, 827
A. T. & S. F. Train-Connection Motor Coach Services Not Subject to, 678
Court Holds I. C. C. Has Jurisdiction Over Hours of Service of All Employees, 897, 977
Motor Carrier Hours of Service of All Employees to be Regulated by I. C. C.; Court Decision, 897, 977
Motor Carriers Must Not Hinder I. C. C. Agents, 598
Motor Carriers of Household Goods, Rules for, 198, 294
Motor Coach Companies: Earnings in First Quarter 1939, 602
Motor Coach Operations: (See also Co-ordinated Rail-Highway Service)
A. C. L. Barge at Norfolk Replaced by Bus, 318*
Chartered Bus Service, Proposed Rules for, 977
Manchuria, Charges Made in, 439
M. P. Bus Dispatching at Little Rock, 78*
N. Y. S. & W. Service to New York, 160, 217*
Norfolk Southern Tours, 191*
Old Colony Rail-Bus Service Proposed, 673*
Railroad Annual Report Comments, 143*
Sleeper Service; Santa Fe Trailways, 448*
West Virginia Transportation Co. Extends, 972*
Motor Coach Passenger Revenues and Traffic Statistics; March, 51; April, 197; May, 324; June, 455; July, 679; August, 763; September, 937
Motor Coach Terminal at Hollywood, 448*
Motor Coach Terminal at Los Angeles, 260*
Motor Coach Terminals, Union, Near New York City Proposed, 935
Motor Coach Traffic of Railroads, I. C. C. Report on, 84
Motor Coaches:
Blackhall Bus and Car Washer, 975
C. N. R. Purchase of, 828*
Sleeper Service; Santa Fe Trailways, 448*
U. P. De Luxe Sun Valley Coaches, 82*
Motor Contract Carriers, Local, That Haul Interstate Shipments, I. C. C. Jurisdiction Over, 350
Motor Contract Carriers Prohibited from Transporting Liquor in Kentucky, 798
Motor Contract Carriers Rates to be Made Public, 858, 978
Motor Contract Truckers, I. C. C. to Check Restrictions on, 715
Motor Freight Classification:
I. C. C. to Investigate, 263
Uniform Motor Freight Classification Conference, Classification Prepared by, 346
Motor Terminals, Inc.: Co-ordinated Rail-Highway Equipment Demonstrated, 973*
Motor Transport Section, The, 430†
Motor Truck Costs Compared with Rail Costs, 352 and 903 (Petroleum Case), 842, 917*
Motor Truck "Hogging" of Roads, Secretary Ickes on, 823
Motor Truck Loadings: May, 49; June, 229; July, 353; August, 502; September, 718; October, 865
Motor Truck Loadings of Anthracite, Increase in, 864
Motor Truck Operations: (See also Co-ordinated Rail-Highway Service)
British Roads Regain Fresh Meat Traffic, 975*
I. C. Trucks to Relieve Trains of L. C. L., 47
M-K-T Establishes, 935
Railroad Annual Report Comments, 143*
Railroad Substitution of, I. C. C. Report on, 292, 384 (St. L. S. W.), 419, 628, 717
S. A. L. to Truck L. C. L. Freight, 193
Sunday Operation Prohibited in Texas, 222
Motor Truck Operators Earnings in 1938, 320
Motor Truck Operators Oppose New Jersey Coal Certificate Act, 324
Motor Truck Operators (See also Private Motor Truck Operators)
Motor Truck Production, Increase in, 631
Motor Truck Rates:
Central Territory Contract Carrier Rates, Investigation of, 858, 978
Contract Carrier Rates to be Made Public, 858, 978
I. C. C. Rejects Rates for Forwarders, 262, 266, 535, 760, 797, 861
Nebraska Truckers Seek Changes in, 355, 900
Pennsylvania Rail-Truck Conference Urges Equal Rates, 155
Pricing Structure, Inquiry Into the, 4*, 64, 101*, 133*, 169*, 208*, 243*, 275*, 305*, 333*, 365*, 397*, 431*, 467*, 513*, 597*, 613*, 644*, 692*, 733*, 781*, 811, 842, 878, 917*, 949, 991
Rail and Water Lines Protest Low Rates to Southeast, 864, 977
Railroad & Utilities Comm. Discuss, 343
Motor Truck Registrations, Increase in, 797
Motor Truck Sales, Increase in, 829
Motor Truck Terminals, Union, at New York Proposed by Port Authority, 797
Motor Truck Traffic:
Amount Handled by Railroads, 84
Increase in New York City, 797
Motor Trucks:
Alabama Weight Limits Increased, 450
C. N. R. Purchase of, 828*
Size and Weight Limitations, State Officials Urge Study of, 709
Movies (See Motion Pictures)
Museum of the City of New York: Railroad Exhibit at, 900, 934
Mutual Transportation Committee: Resolution on Transportation Activities of the War Department, 502

N

Nashville, Chattanooga & St. Louis: Financial Integrity Maintained for 94 Years, 1007
National Association of Manufacturers:
Decries War, Champions Democracy, 452
"Modern Pioneer" Program, 862
Resolution on Transportation, 931, 989†
Willkie, Wendell, on Business Subsidies, 916
National Association of Motor Bus Operators: Annual Meeting, 417
National Association of Railroad and Utilities Commissioners: Annual Convention, 343
National Association of Shippers' Regional Advisory Boards, Meeting of, 681, 754
National Carloading Corporation: Status Under Retirement Act and Unemployment Insurance Act, 384
National Conference of Investors: Railroad Bills Discussed by N. Y. State Unit, 763
National Council of Private Motor Truck Owners, First Annual Meeting of, 859, 901 (Correction)
National Economy, Railroads Contribution to, 937
National Highway Users Conference: Booklet on Highway Development, 514
National Industrial Traffic League:
Annual Meeting, 817, 840†, 855
Freight Forwarders Favored by, 855
Pooling of L. C. L. Traffic Opposed by, 856
Senator Keed on Waterway Subsidies, 817, 840†, 877†
Waterway Regulation Opposed by, 855, 877†
National Mediation Board: Meeting in Chicago with N. R. A. B., 120
National Railroad Adjustment Board:
A. A. R.-R. L. E. A. Conference on, 46, 83, 100†, 120, 159, 229, 452, 596
Meeting with National Mediation Board, 120
Saturday Evening Post Article on, 380
National Railway Appliances Association: Exhibit to be Held at A. R. E. A. Convention, 1012
National Railways of Mexico: Employees Take Action to Improve, 423
National Safety Congress Meeting, 598; Steam Railroad Section, 631, 667, 720
National Transportation Authority Bill, Eastman Report on, 123
Nebraska Truckers Seek Rate Changes, 355, 900
Net Deficit for Four Months, 44, 85; Five Months, 156, 228; Six Months, 323, 382; Seven Months, 499, 598; Eight Months, 677, 764; Nine Months, 858, 899
Net Income for July, 499, 598; August, 677, 764; September, 858, 899; October and Ten Months, 977

GENERAL INDEX—Continued

[Illustrated articles are indicated thus; Editorials thus†; Letters to Editor thus‡]*

Net Income of Large Steam Railways for Four Months, 86; Five Months, 229; Six Months, 383; Seven Months, 599; Eight Months, 765; Nine Months, 900
Net Railway Operating Income in August, 503; Year 1939, 1007
New England Greyhound Lines: Authority to Guarantee Notes Sought, 760
New England Shippers' Advisory Board Meeting, 381, 496
New England Transportation Company: Lines Seek Authority to Merge with, 321
New Jersey & New York: Mail Pay Increase Denied by I. C. C., 354, 862
New Jersey Coal Certificate Act Opposed by Anthracite Truckers, 324
New Jersey: Morris County Bicentennial Celebration, 500, 632*
New Jersey Railroads' Tax Case, 680, 718, 767
New York Central:
Christmas Traffic Handled by, 1012
"Fortune" Article Cites Wages of Passenger Crews, 713
Forwarding Company Stocks Trusteed, 155
Hogan, C. H., Pilot of No. 999, Dies, 799
Improvement Program, 456, 804
Mail Cachet to Commemorate "Mercury," 760
"Mercury" in Service Three Years, 158
"Mercury," New, Completed, 602, 678*, 760
"Pacemaker," De Luxe Coach Train, 86, 123, 196, 224*, 453 (Traffic Handled by)
Pullman Orders Lightweight Cars for, 1014
Rolling Bins Used in Supply Work, 710*
Roomette Cars, New, in Service, 46, 158
Train Schedule Changes, 454
"Twentieth Century Limited," Earnings and Traffic of, 571*
New York City:
Committee to Speed Rail-Ship Loading, 861
Freight Traffic Shifted from Rail to Truck, Increase in, 797
Union Motor Coach Terminals Near City Proposed, 935
Union Motor Truck Terminals Proposed, 797
New York, New Haven & Hartford:
"All-Freight" Rate; N. Y.-Boston, 46, 599, 699
Armistice Day Trains to Washington, 760
Causes of Low Tie Renewals, 431†, 438*
"Comet," Earnings and Traffic of, 571*
Employees' Credit Union Organized, 894
Equipment Repair Program, 682
Fan Trip, 86
Improvement Program, 635
Motor Transport Operations in 1938, 143
Old Colony Passenger Service Cases, 355, 500, 673* (Rail-Bus Service Proposed), 726, 766, 903
Reorganization Plan Proposed by I. C. C., 818, 936 (P. R. R. Opposes), 1007
Smoking Car Questionnaire, Report on, 537*
Smoking Cars, Insignia on, 980*
Suit to Recover Freight and Refrigerator Charges, 603
Women's Coach on Excursion Trains, 861
New York, Ontario & Western:
Fan Trip to Cover Unusual Route, 419
Motor Terminals Rail-Highway Equipment Built by, 973*
"Pony Express" Fast Freight Service, 265
Reorganization of, 326, 426
Withdrawal from Full A. A. R. Membership, 262
New York Public Service Commission:
Crossing Elimination Program for 1940, 861
Towns Refuse Bus Permit, Fearing Loss of Railroad, 499
New York Railroad Club:
Annual Dinner, 381, 796, 895, 937
Meeting Date Changed, 381
New York State Barge Canal:
Some Big Business Patrons of Socialized Transportation, 339*
Why and Wherefore of "Cheap" Waterway Transportation, 371*
New York, Susquehanna & Western:
Air-Conditioned Commuters Cars, 265, 425, 457
Motor Coach Service for Commuters, 160, 217*
"New York Times": Rail and Truck Co-ordination, 306
New York, Westchester & Boston: Civic Officers Seek to Revive, 453
New York World's Fair:
Canadian "Royal Train" Locomotives at, 49
Eastern Roads Again Reduce Fares to, 421
Eastern Roads Take Same Space for 1940, 679
Express Business at the, 419
Labor Day Passenger Traffic Aided by, 383
Literary Fun Society in Rail Pageant, 264*
Long Island Passenger Traffic to, 801*
Long Island "Swing Trains," 501*
Long Island's Five-Millionth Passenger, 353
National Railway Fans' Day, 383
"Railroad Day" at the, 422, 453
"Railroads on Parade," Patronage and Earnings of, 749*
Railway Express Day at the, 418*
Road-Rail Milk Tank Demonstrated at, 264
Statistics on Visitors to Railroad Exhibits, 896
New Zealand Government Railways:
Acquisition of Motor Truck Routes Aids Rail Traffic, 974*
Class Rates Simplified, 455
Results in 1938-39, 455
Norfolk & Western:
Application of Corrosion Resisting Material to Electric Construction, 746
Better Service Conference, 675
Booklet on Harriman Safety Award, 160
C. T. C. Installation; Homer Creek, Va.,-Luke, 996*
Coal Loadings Reach All-Time High, 630
Hotel Roanoke Modernized, 820*
Making Tomorrow's Railroad Boosters, 277*
Pocahontas Zone, 25 Years Electric Operation on the, 288
Safety in Maintenance of Way Work, 488
Norfolk Southern: Reorganization Plan, 542, 770, 805
Norfolk Southern Bus Corporation:
Authority to Purchase Line Sought, 977
Buses Replace A. C. L. Barge at Norfolk, 318*
Profitable Tours Operated by, 191*
North Carolina Intrastate Rates, 596
North China Transportation Company Formed, 264
Northern of New Jersey: Commuters Fear Abandonment of, 863
Northern Pacific:
Denney, C. E., Elected President, 525*
Donnelly, Charles, Death of, 377*
Land Grant Case Settled, 46
Pooling of Passenger Traffic with G. N. and M. St. P. & S. S. M., Proposed Report on, 420
Northern Pacific Transport Co.: Authority to Purchase Truck Line Sought, 353
Northland Greyhound Lines: Extension of Operations Approved, 83
Northwest Carmen's Association: Officers, 719

O

Oahu Railway & Land Company: J. R. MacAnanny to Study, 860
Ocean-Rail Rates, Adjustment Proposed for, 196
Oil, Car, Mech. Div. Reports on, 9, 14
Oil Dealings of Railroads Criticized by Monopoly Investigation Witness, 602, 632
Oil Transportation, J. E. Shatford on High Cost of, 536
Oklahoma Petroleum Products Rates Reduced, 453
Old Colony:
Passenger Service Cases, 355, 500, 673* (Rail-Bus Service Proposed), 726, 766, 903
Reorganization at This Time Not Approved by I. C. C., 818, 937, 1013
Operating Lessons from Train Accidents, 245
Operating Performance of Canadian Railways in 1914 and 1938, 893
Operating Performance of Streamlined Trains, 560* (and following pages), 578*
Operating Statistics (See Freight Operating Statistics)
Operating Studies:
Elimination of Slow Orders While Making Bridge Repairs, 656
High Maximum vs. High Sustained Speed, 77
Possibilities for Main-Tracking, 378*
Order of Railroad Telegraphers: Victor O. Gardner Elected President, 84
Ore-Dock Workers' Status Under Railway Labor Act; I. C. C. Proposed Report on, 1008
Owner-Transporters (See Private Motor Truck Operators)
Oyster Shipments, R. E. A. Reduced Rates on, 601

P

Pacific Electric: Motor Transit Company Merged with, 120
Pacific Fruit Express Company:
Bunkerless Refrigerator Test, 353
Perishable Handling Operations, 219*
Pacific Motor Trucking Company:
Acquisition of Pacific Truck Express Recommended, 831
"Grandfather-Clause" Certificate for Operations in California and Oregon, Proposed Report on, 676
Hauling of Material for Colorado River Aqueduct Completed, 449
Pacific Railway Club: Activities Expanded, 226
Painting: Bridge Painting Problems Resulting from Deferred Maintenance, 706
Parade to Moscow, The, 61†, 261‡
Parcel Post Rate Reduction Allowed by I. C. C., 51
Passenger Fares:
Christmas Fare Reductions, 898
C. C. C. Reductions Disallowed, 47, 196, 498, 628, 860
Eastern Roads Make Further Reductions for World's Fair, 421
Eastern Roads Seek to Continue 2.5-Cent Rate, 829, 933
Passenger Fares:—(*Continued*)
"Grand Circle" Fares to be Continued, 720
Moroccan State Railways Increase, 773
Passenger Salesman Gets a Load Off His Chest, A, 619
P. R. R. "Trail Blazer" Tours, 196
"Postalized" (See Postalization)
Southeastern Roads to Offer 2¼-Cent First Class Return Rate, 321
Western Roads Reduce Round-Trip Fares, 677
Passenger Progress Almanac, 1934-1939, 557, 678 (Correction)
Passenger Progress Parade, Leading the, 554*, 678 (Corrections)
Passenger Salesman Gets A Load Off His Chest, A 619
Passenger Service:
A. T. & S. F. Extends Service of "Chicagoan" and "Kansas Cityan," 863
Drive Yourself Service to be Established by Railroads, 707
Old Colony Cases, 355, 500, 673* (Rail-Bus Service Proposed), 726, 766, 903
Sacramento Northern Seeks to Abandon, 936
Selling Streamlined Passenger Service, 580*
Study Tables for Students Set Up in North Station by B. & M., 861
Women's Coach on Excursion Trains; N. Y. N. H. & H., 861
Passenger Stations (See Stations)
Passenger Traffic:
C. & N. W. New "400", 713, 1006
Christmas Traffic on Western Roads, 1006
Highway Traffic Handled by Railroads, 84
Labor Day Traffic at New York, 383
Long Island Traffic to World's Fair, 801*
N. Y. C. "Pacemaker," 453
Opportunities to Develop; C. E. Johnston on, 623
Passenger Salesman Gets a Load Off His Chest, A, 619
P. R. R. "Trail Blazer," 675
Pooling on N. P., G. N. and M. St. P. & S. S. M., Proposed Report on, 420
Railroads Ready for Christmas Traffic, 938
Statistics on Streamliners, 559*
Passes (See Free Transportation)
Pennsylvania:
"Broadway Limited", Statistics on, 572*
Car Retarders in Enola Yard, 146*
Cars, Dining, Built by Three Builders, 469*
Christmas Traffic Handled by, 1013
Electric Traction, Evolution from Steam to, 440*
Garden Club Show, 532
Girders, Long, Handled by, 190*
Improvement Program Planned, 425
Information Supervisors on Quiz Program, 452
L. C. L. Service; N. Y.-Pittsburgh, 70*
Locomotive Sideswipes Coach, 676
Medal Awarded to S. J. Younger, 532
N. Y. N. H. & H. Reorganization Plan Opposed, 936, 1007
Passenger Bridge at Harrisburg Raised, 615*
Pullman Orders Lightweight Cars for, 1014
Radio Train Communication System, 743
Rail Joint Tests, Report on, 37*
Rates to Meet Forwarder Competition, 759, 1008
Scholarships Awarded by, 453
Shriners Use Pullmans During Convention, 46
Special Trains for "Pro" Football Game, 928
Station at N. Y. Described in "Fortune," 86
Storekeeping, No Frills in, 824*
Track Tests, Report on, 39*
"Trail Blazer" All-Expense Tours, 196
"Trail Blazer" De Luxe Coach Train, 86, 196, 224*, 227, 498, 675 (Traffic and Earnings)
Train Time Shortened, 498
Pennsylvania Full-Crew Law Held Illegal, 860
Pennsylvania Greyhound Lines:
Authority to Guarantee Bonds of Lunch Stand Owners Sought, 977
Joint Board Proposed Report on Extension of Operations, 498
Motor Coach Certificates Granted, 760
Pennsylvania Rail-Truck Conference Urges Equal Rates, 155
Pennsylvania Station:
Christmas Carols Sung in, 981, 1001*
Interviews Broadcast from, 717
Pension Service Records Relief Project Abandoned, 121, 384
Per Diem on Cars Delivered to Seatrain, 319
Pere Marquette:
Car Ferry Ordered by, 861
Forwarding Company Stocks Trusteed, 155
Perishable Freight, Charges for Protective Service to; I. C. C. Hearings on, 294
Perishable Handling:
Bunkerless Refrigerator Tests; P. F. E., 353
Fruit and Vegetable Handling; S. P., 219*
Market at Kansas City Planned, 901, 1009
Permanent Arts, Inc.: Photographs in D. L. & W. Cars, 50*, 374*
Petroleum Products; Agreed Charges in Canada Upheld, 118, 293, 352, 381, 677
Petroleum Products Rates Reduced in Oklahoma, 453

Petroleum Rate Case, Motor Truck and Rail Costs Between California and Arizona Compared in, 352, 903
Petroleum Rates, Competitive, Another I. C. C. Probe of, 934
Petroleum Rates in Northwest: I. C. C. Decisions Involving Rail, Water and Motor Carriers, 533, 760, 976
Petroleum Traffic to Points on Tennessee River, Fourth Section Relief Granted on, 898
Petroleum Transportation: J. E. Shatford, on High Cost of, 536
Phantom Doorman, Yale and Towne, 851*
Philadelphia Motor Vehicle Commercial Zone, 222
Photographs, Novel, in D. L. & W. Cars, 50*, 374*
Pioneers' Club: Meeting of, 747
Pipe Line Construction in 1939, 497
Pipe Line Rates, Rules and Regulations, I. C. C. Proposed Report on, 1011
Pipe Rates to and from the Southwest, I. C. C. Report on, 324
Pittsburgh & West Virginia:
Extension of R. F. C. Loans Sought, 941
Sale of Obsolete Cars, 163, 805
Plymouth Locomotive Works:
Diesel Locomotive with Hydraulic Transmission, 265, 625*
Flexomotives in Service, 436*
Plywood Refrigerator Cars, Morrell, 137*
Politics, And Now the Commission Bows to, 875†
Pooling of L. C. L. Traffic Opposed by Midwest Shippers' Advisory Board, 123; by N. I. T. League, 856; by R. L. E. A., 1009
Pooling of Passenger Traffic on N. P., G. N., and M. St. P. & S. S. M., Proposed Report on, 420
Poppet Valve Gear Design, Report of Committee on Further Development of Reciprocating Steam Locomotive on, 35
Port of New York Authority: Union Motor Truck Terminals Proposed by, 797
Portugal Contemplates American Equipment Purchases, 51
Postalization of Passenger Fares: Senate Approves of I. C. C. Investigation, 121, 197, 226
Power Reverse Gear Operating Valve, Barco Type M-3, 747*
Power Supply, Electrical Sections Report on, 743, 744
Practitioners Before the I. C. C., Meeting of, 353
Preparedness—Railroads and the Army, 689†
President Roosevelt:
Bills Signed by, 84
St. Lawrence Seaway Treaty Revived, 713
Price Fixing for Bituminous Coal Opposed by Mississippi Valley Association, 676
Prices:
Labor and Materials; Mech. Div. Report, 24
War Causes Increase in, 434
Pricing Structure, Inquiry Into the, 4*, 64, 101*, 133*, 169*, 208*, 243*, 275*, 305*, 333*, 365*, 397*, 431*, 467*, 513*, 597*, 613*, 644*, 692*, 733*, 781*, 811, 842, 878, 917*, 949, 991
Private Car Operation—The Stepchild of the Railroads, 666
Private Carriers:
Problem of; E. H. Bunnell on, 75
Users of Common Carriers Should be Allies of Railroads, 512†
Private Enterprise:
Big Business Socialists Versus, 1†, 61†, 167†, 261‡, 303†, 611†, 641†, 731†, 839†, 989†
Government and; Thomas Dewey on, 950
Industry Versus Private Enterprise in Transportation, 989†
Private Motor Truck Operators:
I. C. C. Proposed Report on Safety Rules and Hours of Service, 223, 598, 858
Owner-Transporter a Problem, 344, 398
Private Versus Government Investment, 810†
"Produce News": Owner Transportation a Bane to the Produce Business, 398
Produce Terminal at Denver Opened, 225
Produce Terminal at Kansas City Planned by Four Roads, 901, 1009
Produce Terminals at Denver, Competitive, I. C. C. Hearing on, 120, 296
Production and Tonnage, 1928-1938, I. C. C. Study of, 888*, 991
Public Affairs Committee Pamphlet on Highway Barriers, 979
Public Relations:
American Trucking Associations Program, 864
Appealing to the Selfish Interest in the Railroad Problem, 363†, 395†
Bell Telephone Methods, 366, 600, 643
D. L. & W. Facilities at Scranton Toured by Townspeople, 831
Making Tomorrow's Boosters; N. & W., 277*
Management of, a Great Industry, The, 274†
Railroad Appreciation Day at Saginaw, 718
Railroad Appreciation Week at Council Bluffs, 536, 634*
"Real Railroaders" and "Speechmakers," 779†
St. L.-S. F. Friendly Service Campaign, 453
Selling Streamlined Passenger Service, 580*
Public Relations Conference Held by C. & O., 713
Pullman Cars Used by Shriners at Convention, 46
Pullman Company:
Car-Naming Contest, 265
Car Truck Developments, 695
Fourth Section Relief Granted, 46
Lightweight Equipment Ordered by, 1014
Reduction in Employee Accidents, 986
Pullman Porters Benefit Association of America Not An Employer Under the Railroad Retirement Act, 124
Pullman-Standard Car Manufacturing Company:
C. & N. W. New "400" Cars, 455*, 736*
P. R. R. Dining Cars, 481*
Pumping Equipment to Meet Today's Needs, 658
Purchases:
Equipment, Jesse Jones on Need for, 434
Equipment Orders; June and Six Months, 63†, 88; July, 232; August, 386; September, 514‡, 539; October, 724; November, 906
Monthly: June and Six Months, 372*; July, 435 (Preliminary)
Motives Controlling the Purchase of Rolling Stock, 248
Rail Orders in June and Six Months, 63†, 88; July, 232; August, 386; September, 514†, 539; October, 724
War Fever Raises Prices, Increases Railway Buying, 434
What About Producers' Tie Stocks?, 955*
Purchasing Methods Revamped; M-K-T, 849*

Q

Quincy, Omaha & Kansas City Acquired by C. B. & Q., 201

R

Rack-Rail Diesel-Electric Locomotive, First, 196
Radio Broadcast of "The Romance of the Railroads," 155, 227
Radio Broadcasts from Pennsylvania Station, 717
Radio Train Communication Systems, Electrical Section Report on, 743
Radiotelephony, Wider Use of Recommended, 935
Rail:
Anchoring to Concrete Slabs; C. N. R., 104*
Anchoring to Meet Present Conditions, 521
Bend Tests for, 211*
Continuous Welded, on D. & H., Report on, 38*
Controlled-Cooling, Report on, 210
Effect of Heavier Rail on Track Labor Costs, 336*
End-Hardening Tests, Report on, 210
Failures, Fifth Progress Report on, 209*
Orders in June and Six Months, 63†, 88; July, 232; August, 386; September, 514‡, 539; October, 724.
Trends in Manufacture and Maintenance, 520
Transverse Fissures (See Transverse Fissures)
Rail Joints:
Report of Committee on Stresses in Railroad Track on, 37*
Rolling-Load Testing Machine, 40*
Tests on P. R. R. and A. T. & S. F., Report on, 37*
Rail Motor Cars:
Algerian Railways to Buy, 379
Argentine State Railways Purchase of, 712
Modern Cars for Yard Car-Riders, 614†
Rail Rolling Mills, Study of, 802
Rail Steel, Effect of Heat Treatment on, 211
Railroad Appreciation Day at Saginaw, 718
Railroad Appreciation Week at Council Bluffs, 536, 634*
Railroad Credit Corporation: Distribution of Revenues, 263, 632
Railroad Extension Service, Inc.: Drive Yourself Service to be Operated by, 707
Railroad Retirement Account, Status of the, 124, 295, 421, 599, 833
Railroad Retirement Act:
Amendments Proposed for, 84, 123, 192
Annuities and Pensions in Force, 978
Brotherhood of Sleeping Car Porters Status Under, 124
C. A. & E. Status Under, 262
C. N. S. & M. Status Under, 197, 322
C. S. S. & S. B. Status Under, 157
Creditable Compensation Under, 933
Denver & Intermountain Exempted in Proposed Report, 977
Despatch Shops, Inc. Status Under, 124
Harvey Employees Status Under, 124
Hearings on Bills to Liberalize, 46
National Carloading Corp. Status Under, 384
Payments Under the, 124, 160, 833, 861, 1009
Universal Carloading and Distributing Company, Inc. Status Under, 384
Railroad Retirement Board:
Applications Received by, 421
C. C. C. & St. L. Ruling Corrected, 48
Disability Claims Handled by, 322
Eddy, Lee M., Re-appointed to, 225
Employee Earnings in Other Industries, 52
Employees and Credited Compensation in 1937 and 1938, 1010
Herwitz, Harry K., Appointment of, 500
Occupations of Unemployment Insurance Beneficiaries, 935
Personnel Changes, 832, 897
Regulations for Unemployment Insurance Contributions, 765
Ruling on Seniority "Bumping" for Payments Under Unemployment Insurance Act, 421
Rulings of, 83, 124, 160, 384, 500, 633, 680, 766
Railroad Retirement Board:—(*Continued*)
Service Records Relief Project Abandoned, 121; Carried on by Bureau of Employment and Claims, 384
Study of Annuities by Types, 44
Unemployment Insurance Rules for Employee Representatives, 977
Railroad Selfishness Drives Traffic to Trucks, 291‡; A Reply to, 415‡
Railroad Unemployment Insurance Act:
Denver & Intermountain Exempted in Proposed Report, 977
Harvey Employees Status Under, 124
National Carloading Corp. Status Under, 384
Now in Effect, 160
Occupations of Beneficiaries Certified Under, 935
Regulations for Contributions Under, 765
Rules for Employee Representatives, 977
Ruling on Seniority "Bumping" for Payments Under, 421
Rulings of Retirement Board on, 500, 633, 680, 766
Status of Payments Under, 295, 384
Universal Carloading and Distributing Co., Inc. Status Under, 384
Railroad Y. M. C. A. (See Young Men's Christian Association)
Railroadians of America: Meeting at New York World's Fair, 599
Railroads Discussed by Lum and Abner, 758
"Railroads in Crisis" Suggests Government Ownership Plan, 418
Railroads' Motto "It Can't Be Done," 757‡
Railroads Not Ready for War Even if U. S. Stays Out, 331†
"Railroads on Parade," Patronage and Earnings of, 749*
Railway & Locomotive Historical Society, Inc.: Bulletin No. 50, 761
Railway Business Association: Annual Dinner, 538, 596, 796
Railway Electric Supply Manufacturers Association: Meeting and Exhibit, 746
Railway Express Agency, Inc.:
Annual Sales Conference, 325
Brotherhood of Railway Clerks Withdraws Complaint Against, 832
Contracts Investigated by C. A. A., 799
Express Day at the N. Y. World's Fair, 418*
Express Traffic Handled at World's Fair, 419
Illinois Terminal Use of, 119
Medal of Honor Awarded to O. P. Scharf, 980
Rates on Bulk Oyster Shipments Cut, 601
Status Under Lea Bill Defended, 198
"Truck Competitive" Rates on Old Colony, 293
Railway Fuel & Traveling Engineers' Association, Meeting of, 380, 620, 645, 763
"Railway Gazette" Overseas Number, 977
Railway Labor Act:
C. N. S. & M. Status Under, 197, 322
Labor and Management Confer on Adjustment Board Problem, 46, 83, 100†, 120, 159, 229, 452, 596
Status of Ore-Dock Workers; I. C. C. Proposed Report on, 1008
Texas Electric Subject to, 767
Railway Labor Executives Association:
Conference with A. A. R. on Adjustment Board Problem, 46, 83, 100†, 120, 159, 229, 452, 596
Counsel to Watch State Motor Laws, 1009
Railway Situation:
Appealing to the Selfish Interest in, 363†
Congress Has Not Yet Tackled the Real Problem, 205†
Economic Preparation for War, 429†, 655 and 676 (S. O. Dunn on)
"Fortune" Round Table on, 194
Johnston, C. E., on, 623, 654
Narrow Railroad Selfishness Drives Traffic to Trucks, 291‡; A Reply to, 415‡
New York Railroad Club Hears Special Messages at Annual Dinner, 895, 937
Pelley, J. J., Says Roads are Prepared to Handle Traffic Increase, 677, 799
Public Interest Not Upheld Free; H. A. Wheeler on, 796
Railroads Have Won a Battle; But the War is Still on, 839†
Railroads Not Ready for War Even if U. S. Stays Out, 331†
Reed, Senator, Analyzes, 286, 817, 840†
Says "It Can't Be Done" is Railroads' Motto, 757‡
Symes, J. M., on, 423
Views from an Investor's Standpoint; F. H. McGuigan on, 595
War and the Transportation Problem, 395†
Year 1939 Reviewed by J. J. Pelley, 1007
Rat Exterminator; West Disinfecting Co., 295
Rate-Making:
California Comm. Cost-Finding Study, 150*
Comm. Miller on, 42
New Rule Proposed by Short Line Assoc., 698
Zone of Reasonableness; J. P. Saunders on, 80
Rate Structure:
Inquiry Into the, 4*, 64, 101*, 133*, 169*, 208*, 243*, 275*, 305*, 333*, 365*, 397*, 431*, 467*, 513*, 597*, 613*, 644*, 692*, 733*, 781*, 811, 842, 878, 917*, 949, 991
L. C. L. Changes Approved by A. A. R. Committee, 831
Southern Governors Plan Campaign on, 678
Rates, Equipment Depreciation (See Equipment Depreciation Rates)

GENERAL INDEX—Continued

[Illustrated articles are indicated thus; Editorials thus†; Letters to Editor thus‡]*

Rates, Express (See Express Rates)
Rates, Freight:
Adjustment Between Competing Forms of Transport; J. B. Eastman on, 999
"Agreed Charges" Plan in Canada, 73, 118, 293, 352, 381 and 677 (Petroleum Charges Upheld)
"Agreed Charges" Plan in Great Britain, 74
"All-Freight" Rates Cases, 46, 49, 84, 223, 422, 535, 599, 677, 699
Automobile; I. C. C. Investigation of, 199, 320, 601, 661, 715, 761
"Charging What the Traffic Will Bear," 841†
Citrus, to Baltimore, I. C. C. Proposed Report on, 319; Maritime Commission Proposed Report on, 381
Class, I. C. C. to Investigate, 208*, 218
Class, in New Zealand, Simplified, 455
Commodity Credit Corporation Denied Low Rates on Corn, 323
Containers, Refrigerated, Shippers Seek Lower Rates on Shipments in, 319
Cost of Transportation Service; W. J. Williamson on, 797
Cotton Piece Goods, Truck-Competitive Rates on, 423
Divisions on Southwestern-Official and Official-Southern Rates, New Bases for, 320
Ex Parte 115 Case; Progress Report on Adjustment of Tariffs to be Made, 1008
Export Grain Rate Proposed Reductions Suspended, 263, 900
Farmer and; Bureau of Agricultural Economics on, 1011
Fertilizer, I. C. C. Proposed Report on, 498
F. E. C. Divisions on Fruit and Vegetable Traffic Adjusted, 903
Fourth-Section Relief to Meet Forwarder Rates Granted, 759, 1008
Freight Forwarder (See Freight Forwarder)
Fruit and Vegetable Carload Increases, 196
Grain Reductions, Buffalo-N. Y., Found to be Too Low, 863
Indices Compiled by Bureau of Agricultural Economics, 1012
Intercoastal Water Rates, Changes in, 678
Interterritorial; Bureau of Agricultural Economics on, 1011
Interterritorial; Investigation Proposed, 115, 153, 182
K. C. S. Plans Innovations in, 159
L. C. L. Rates, B. & M.-M. C. Seek Elimination of Four Classes of, 119, 294
L. C. L. Truck-Competitive, in New England, 596
N. Y. N. H. & H. "All-Freight" Rates, 46, 599, 699
North Carolina Intrastate Rates, 596
Pennsylvania Rail-Truck Conference Urges Equal Rates, 155
Petroleum Competitive Rates, Another I. C. C. Probe of, 934
Petroleum, I. C. C. Decisions Involving Rail, Water and Motor Carriers, 533, 760, 976
Petroleum; Motor Truck and Rail Costs Between California and Arizona Compared, 352, 903
Petroleum Products, Oklahoma Reduces, 453
Petroleum Traffic to Points on Tennessee River, Fourth Section Relief on, 898
Pipe, to and from the Southwest, I. C. C. Report on, 324
Pricing Structure, Inquiry Into the, 4*, 64, 101*, 133*, 169*, 208*, 243*, 275*, 305*, 333*, 365*, 397*, 431*, 467*, 513*, 597*, 613*, 644*, 692*, 733*, 781*, 811, 842, 878, 917*, 949, 991
Rail and Truck Costs Compared, 842, 917*
Rail-Ocean-Rail Rates, New Adjustment Proposed for, 196
Railroads Should Reduce Rates, Abandon Profitless Services, 261‡
Rate Advance Case (Ex Parte 123):
Idaho Intrastate Rates, 263
Progress Report on Adjustment of Tariffs to be Made, 1008
Rubber Tires; Truckers Oppose Low Rates, 717
St. L. S. W. Schedules on Cottonseed and Soya Beans Suspended, 499
Sand and Gravel, in Chicago Area, Competitive Reductions in, 601
Southern Governors Plan Campaign on, 678
Southern Governors' Rate Case, I. C. C. Report on, 875†, 889
Standard Oil Complaint Dismissed, 49
Stocker-Feeder, I. C. C. Proposed Report on, 351
Sugar, Interterritorial; I. C. C. Decision, 295
Texas Railroad Commission Eliminates Differentials, 717
Trainload, on Molasses, Sanctioned, 419, 714, 759, 947†, 969
Truckload Commodity Rate Reduction on Automobiles Suspended, 49
Woodpulp Rates Suspended, 84
Rates, Land Grant (See Land-Grant Rates)
Rates, Motor Truck (See Motor Truck Rates)
Rates, Parcel Post (See Parcel Post Rates)
Rates, Water (See Water Rates)
Reading:
"Crusader," Statistics on the, 572*
Motor Transport Operations in 1938, 143
"Rail Ramble" Trip, 86
Real Estate Owners: New Allies for the Railroads, 511†
Reconstruction Finance Corporation:
B. & M. Interest Reduction Plan, 763
Husbands, S., Appointed Director, 196
Loans to Railroads to Buy Up Their Bonds Proposed, 131†, 157, 764
Purchase or Lease of Equipment, Bill for, 119, 131†, 156, 193, 227 (Bill Killed)
Railroad Loans:
Apalachicola Northern Application Dismissed, 387, 982
B. & O. Loans Extended, 268, 457
Charles City Western Loan Extended, 726, 869
C. & S. Seeks Loan to Buy Trains, 939, 940
D. & R. G. W. Loan Order Modified, 684
Erie Loan Granted, 89, 360, 506, 606, 836
I. C. Application Denied, 638, 870
I. C. to Purchase and Deposit Bonds with, 233, 457
P. & W. V. Seeks Extension of, 941
Rio Grande Southern Application, 298
Southern Does Not Need Equipment Loans, 268, 360
Status of, 46, 158, 830, 1008
Wabash Loan Granted, 638, 1015
Western Pacific Loan Extended, 638, 870
St. L.-S. F. Reorganization Plan Proposed by I. C. C. Opposed by, 830
Schram, Emil, to be Chairman of, 158
Red Cap "Accounting and Guarantee Arrangement"; Court Test of Validity of, 628, 758, 800
Reed, Senator, on Waterway Subsidies, 286, 817, 840†, 876†
Refrigerator Car Policy; A. A. R. Postpones Effective Date of, 323, 977
Refrigerator Containers, Shippers Seek Lower Rates on Shipments in, 319
Regulation:
Adjustment of Rates Between Competing Forms of Transport, 999
Commerce Rather Than Agencies Should be Regulated; J. P. Saunders on, 79
Co-ordination of State and Federal; Utility Commissioners Discuss, 343
Equitable; E. H. Bunnell on, 75; J. P. Saunders on, 79
Motor Carrier; (See also Interstate Commerce Commission)
Alabama Truck Weights Increased, 450
Beamish, Comm. R. J., on, 343
Greece, Regulation in, 386
How Trucks Are Regulated, 679, 827
W. P. A. Survey of State Regulation, 422
"Square Deal" Campaign in England, 74
Waterway:
House Bill Reported, 45
N. I. T. League Opposes, 855, 877†
Reed, Senator, on, 286, 817, 840†, 877†
Wheeler-Truman Bill, 99†, 115, 153, 182, 205†, 224, 255, 676, 855
Regulation of Outside Investments of Railroads, Wheeler-Truman Bill for, 44, 120, 222
Reorganization Court, Wheeler-Truman Bill for, 50, 84, 122, 156
Reorganization of Railroads:
Boston & Providence, 268, 360, 387, 941
C. of N. J. Bankruptcy Petition Filed, 700, 805, 869, 905 and 976 (Opposition to Trustees), 982
Chandler Bill Passed, 133, 193, 226
Chicago & Eastern Illinois, 201, 359, 869, 940
Chicago & North Western, 89, 967 (I. C. C. Plan)
C. G. W. Plan Approved by Court, 426, 726, 900
C. R. I. & P. Plan Proposed by I. C. C., 495, 932
D. & R. G. W. Plan Approved by I. C. C., 222, 382, 426, 638
Erie, I. C. C. Proposed Plan for, 317; Hearing on Various Plans, 802
Lisman, F. J., Asks Protection for Individual Holders of Prior Lien Bonds, 382
Louisiana & North West, 162
M. & St. L. Plan, Hearings on, 50, 675
N. Y. N. H. & H. Plan Proposed by I. C. C., 818, 936 (P. R. R. Opposes), 1007
New York, Ontario & Western, 326, 426
Norfolk Southern Plan, 542, 770, 805
St. L.-S. F., I. C. C. Proposed Plan for, 293, 830 (R. F. C. Opposes)
S. A. L. Plan Filed with Court, 905
Western Pacific Plan Modified, 195, 507
Wheeler-Truman Bill, 50, 84, 122, 976 (Rep. Chandler's Substitute for)
Research Program of the A. A. R. Continued, 798
Research Projects of the Mechanical Div., 3†
Rest Rooms at Jersey City Renovated; Erie, 751*
Revenue Per Ton-Mile, I. C. C. Survey of Comparisons of, 934
Revenues and Expenses:
Accounting Department Aids in Keeping the Variables Variable; St. L.-S. F., 334†, 347*
Canadian Roads, 120, 226, 354, 719, 899
I. C. C. Order on Account for "Protective Service-Perishable Freight" Postponed, 798
Monthly Detailed Figures: May, 94, 225 (Correction); June, 236; July, 390; August, 546; September, 774; October, 910
Monthly Summaries: May, 45, 166; June, 159, 223, 302; July, 294, 351, 462; August, 454, 533, 610; September, 630, 714, 808; October, 799, 859, 946; November, 977
Motor Coach Earnings; First Quarter, 1939, 602
Motor Truck Earnings in 1938, 320
One Mile of Railroad, 305†
Railway Results in September, 735†
Rio Grande Motor Way, Inc.: Joint Board Would Grant Utah Certificate to, 537
Rio Grande Southern: R. F. C. Loan Application, 298
Rivers and Harbors Appropriations, 84
Rivers and Harbors Bill Carried Over, 196
Rivers and Harbors Surveys Bill Vetoed, 226, 296
Roadmasters and Maintenance of Way Association, Annual Meeting, 421, 486*, 519*
Roadmaster's Qualifications and Duties, The, 491
Roadway Machines, Utilization of, 490
Robbery Claims in First Half of 1939, 601
Robbery on I. C. Train Foiled, 225
Rock Island, Arkansas & Louisiana: L. & A. Proposal to Purchase, 938
Rock Island Motor Transit Company:
Illinois Motor Truck Operations, Joint Board Proposed Report on, 981
Inter-State Express Company Purchased, 193
Joint Board Would Deny Application for Kansas Route, 453
"Rodite" Rate Exterminator, 295
Roller Bearings Applied to Locomotives and Tenders, Mech. Div. Report on, 32
Rolling-Load Rail Joint Testing Machine, 40*
Rolling Stock, Motives Controlling the Purchase of, 248
"Romance of the Railroads" Broadcast, 155, 227
Roofs, Shop and Enginehouse, Maintenance of, 705
Room Cars Meet with Popular Approval, 707, 762
Ross & White Company: Blackhall Bus and Car Washer, 975
Rules:
Demurrage and Storage Rules Amended, 295, 599
Lake Cargo Coal Rules, I. C. C. Report on, 226
Loading, Mech. Div. Report on, 26
Motor Carrier Insurance Rule VIII Affirmed, 381
Motor Carrier Transportation of Household Goods, 198, 294
Refrigerator Car Service; A. A. R., 323, 977
Safety, for Private Truckers, I. C. C. Proposed Report on, 223, 598, 858
Split Delivery Rules in the South, 123

S

Sacramento Northern Seeks to Abandon Passenger Service, 936
Safety:
Meeting of Steam Railroad Section of National Safety Congress, 631, 667, 720
N. & W. Publicizes Its Harriman Award, 160
Problems and Responsibilities of Maintenance of Way Men, 488
Railroad Records Since 1923, 667, 669
Record of the Streamliners, 276†
Safety Rules for Private Truckers, I. C. C. Proposed Report on, 223, 598, 858
Saginaw, Railroad Appreciation Day at, 718
St. Lawrence Seaway:
Another Study to be Made of, 1009
Canadian Railroaders Oppose, 46
Treaty to be Revived, 713, 830
St. Louis Car Company: Southern Railway "Vulcan" Trains, 399*
St. Louis Municipal Bridge Completed, 923*
St. Louis-San Francisco:
Accounting Department Aids in Keeping Variable Expenses Varying with Traffic, 334†, 347*
Friendly Service Campaign, 453
Motor Transport Operations in 1938, 144
Reorganization Plan, I. C. C. Proposed, 293, 830 (R. F. C. Opposes)
Selling Railroad Freight Service, 826*
Train, Fast Passenger, Planned, 900
St. Louis-Southwestern:
Budget for 1940 Approved, 860, 982
Cottonseed and Soya Bean Rate Schedules Suspended, 499
Dutch Guilder Bond Payment Case, 360
Motor Transport Operations in 1938, 144
Substitute Highway Service, I. C. C. Report on, 292, 384

Salesman, Passenger, Gets a Load Off His Chest, A, 619
Sand and Gravel Rates in Chicago Area, Codpetitive Reductions in, 601
Santa Fe Trail Transportation Company:
Kansas Motor Truck Operations, Joint Board Proposed Report on, 981
Motor Coach Terminal at Los Angeles, 260*
Santa Fe Trailways:
Motor Coach Sleeper Service, 448*
Station at Hollywood, Cal., 448*
Santa Fe Transportation Company: A. T. & S. F. Train-Connection Motor Coach Services Not Subject to Motor Carrier Act, 678
"Saturday Evening Post":
Article on National Railroad Adjustment Board, 380
Reply to Complaint About Article on Trucks, 532
Savings:
C. R. I. & P. Diesel Switchers, 879*
Consolidations, Amount Resulting from, 43
I. C. Water Treatment Improvements, 1002*
Scholarships Awarded by P. R. R., 453
Scholarships Named for Carl R. Gray; U. P., 452
Schwab, Charles M., Death of, 451*
Scrap:
Bureau of Mines to Issue Survey of, 761
Improperly Loaded, I. C. C. Authorizes Charges for, 1010
What Railroads Should Know About, 252*
Seaboard Air Line:
Diesel Locomotive Exhibited at N. Y. World's Fair Returned to, 760
Florida Towns Praise Road and Founder, 979
Grain Schedules at Richmond Suspended, 499
L. C. L. Truck Operations Approved, 193
Reorganization Plan Filed, 905
"Silver Meteor," Earnings and Traffic of, 573*
"Silver Meteors," New, 161, 452, 832, 897, 951* (Description of)
Train Schedule Changes, 454
Seatrain Lines, Inc.:
I. C. C. Proposed Report on Per Diem on Cars Delivered to, 319
I. C. C. Report on Hoboken Manufacturers' R. R. Divisions on Traffic, 296
Two Vessels Ordered, 192
Unrestricted Car Deliveries Permitted by Six More Roads, 832
Water Carriers Ask Reconsideration of Status of, 900
Selecting a Roadmaster, 491
Selecting and Training a Trainmaster, 412
Selfishness or Good Business?, 291‡, 415‡
Selling Fast Freight Service; St. L.-S. F., 826*
Selling Streamlined Passenger Service, 580*
Senate Investigation of Railroad Methods of Handling Express, Forwarder and L. C. L. Traffic, 47, 120, 422, 501, 595, 603, 762
Shippers, Co-operative Action to Aid Car Situation to be Taken by, 424, 468†, 492, 497, 629
Shippers' Marketing Problems, Railroad Interest in; New England Shippers' Board Report on, 504
Shippers' Regional Advisory Boards:
Allegheny, 451
Atlantic States, 502, 526*, 595
Central Western, 861
Estimates of Car Loadings, Accuracy of, 107*
Estimates of Car Loadings for Third Quarter, 83, 123; Fourth Quarter, 451, 452, 493, 497, 595; First Quarter of 1940, 1006
Future of, The, 244†
Hysterical Car Ordering, 468†, 497
Midwest, 123, 603
National Association, Meeting of, 681, 754
New England, 381, 496
Trans-Missouri-Kansas, 468†, 497
Shops:
Glazing Maintenance in, 703
Maintenance of Roofs, 705
Men Being Called Back to Work in, 420
W. P. Locomotive Shop at Sacramento Modernized, 406*
Shriners Live in Pullmans During Convention, 46
Side Frames and Bolsters; Mech. Div. Report, 30
Signaling: Faster Train Schedules Affect, 591*
Signals, Approach, Importance of, 397†
Silver Dollar Day at Purcell, 212
Sleeper Buses; Santa Fe Trailways, 448*
Sleeping Cars, Open Section, Being Discontinued, 707
Slow Orders, Co-operation to Reduce, 306†
Slow Orders While Making Bridge Repairs, Elimination of, 656
Smoke Prevention, What the Railroads Are Doing About, 213*
Smoking Car Questionnaire Report Issued by N. Y. N. H. & H., 537*
Smoking Cars, Insignia on; N. Y. N. H. & H., 980*
Society of Automotive Engineers: Transportation Meeting Held by Chicago Section, 622, 693
Sorocabana Ry.: Electrification Planned, 700
South African Railways & Harbours:
Air-Conditioned Trains, 768
Highway Transportation Expanded, 414
Southeastern Roads to Offer 2¼-Cent First Class Return Rate, 321
Southern Governors' Freight Rate Case, I. C. C. Report on, 875†, 889
Southern Governors Plan Freight Rate Campaign, 678
Southern Pacific:
City of San Francisco Derailed, 276†, 289*, 292, 350, 444* (Board of Inquiry Report on)
Coach Yard at Los Angeles, 367*
"Daylights," New, Delivered, 1010
Equipment Depreciation Rates, 935
"Forty-Niner" Ordered, New, 604
Handling Fruits and Vegetables, 219*
Hauling of Material for Colorado River Aqueduct Completed, 449
Headquarters Moved to San Francisco, 151*
Holden, Hale, Retirement of, 151*
Land-Use Agreement Made with Interior Department, 765
Line Revision in Southern California, 280*
Locomotives, 2-8-8-4 Coal-Burning Type, 918*
Locomotive, 4-8-8-2 Type, 119, 159*
Motor Transport Operations in 1938, 145
Spring-Pad Oil Lubricators in Special Cellars, 919, 920*
Streamliners, Earnings and Traffic of, 573*, 575*
Wheel-Cooling System, 921
Southern Pacific Transport Company:
Co-ordinated Rail-Truck Service in Texas, 117*
Status Under Retirement Act, 160
Southern Railway:
Cars, Express, of High-Tensile Steel, 307*
Court Upholds I. C. C. Branch Line Abandonment, 355
Equipment Depreciation Rates, 603
Grade Separations at High Point, N. C., 882*
R. F. C. Equipment Loans Not Needed, 268, 360
"Vulcan" Streamlined Trains, 399*
Southwestern Transportation Company:
Authority to Purchase Texas Truck Line Denied in Proposed Report, 800
Operations in 1938, 144
Purchase of Inter-City Trucking Company, Proposed Report on, 196, 861
Specifications for Materials, Mech. Div. Report on, 13
Speed of Trains:
Average Speed of Freight Trains, New Record for, 266
High Maximum vs. High Sustained Speed, 77
More Co-operation—Fewer Slow Orders, 306†, 656
Streamline Trains, Fast Runs Made by, 579*
Streamlined Trains, Performance of, 578*
U. S. Leads in World's Fast Runs, 936
World's Record Claimed by Germany, 84
Speed Restrictions, Adherence to, 207†
Split Delivery Rules in the South, 123
"Square Deal" Campaign in Great Britain, 74
Standard Oil Rate Complaint Dismissed, 49
Station at Elizabethport; C. of N. J., 784*, 832 (Correction)
Station Modernization, More Passenger, 132†
Station Rest Rooms at Jersey City Renovated by Erie, 751*
Stations (See also Terminals)
Steel, Cor-Ten, in Hopper Cars, Service Life of, 847*
Steel Specifications, A. S. T. M. Report on, 68
Stock Books, One-Item, to be Used on C. R. I. & P., 926*
Stocker-Feeder Rates, I. C. C. Proposed Report on Changes in, 351
Stockyard Services, I. C. C. Investigation of, 196
Stockyards Services, Cleveland Railroads Ask I. C. C. Probe of, 1010
Stoker Order Extended, 5
Store-Door Service:
Livestock Pick-Up Service by Railroads Recommended in Proposed Report, 831
Petitions of I. C. and M. P. Denied, 797
Storekeeping:
C. R. I. & P. to Use One-Item Stock Books, 926*
No Frills in P. R. R. Storekeeping, 824*
Progress in, 189
Stores Handling: N. Y. C. Uses Rolling Bins, 710*
Storing Coal, Costly Economy of, 188*
Streamlined Trains (See also High-Speed Trains; also Trains)
Accidents Involving, 578
Almanac of Trains in Service, 1934-1939, 557, 678 (Correction)
A. C. L. "Champions," 125, 158, 833, 897, 962*
C. & N. W. New "400", 419, 455*, 713, 736*
C. & N. W.-U. P.-S. P. Order for, 604
C. B. & Q. Sleepers for "Denver Zephyrs," 65*
C. R. I. & P. New "Rockets", 124*, 677, 717, 762*
C. & S. Seeks Loan to Buy, 939, 940
Development of, 554*, 678 (Corrections)
Fast Runs Made by, 579*
Five and a Half Years of, 551†
F. E. C. "Champions", 53, 158, 833, 897, 962*
F. E. C. "Henry M. Flagler", 53, 717, 833, 897, 962*
Light-Weight Materials Used in, 583*
Map Showing Routes of, 555*
N. Y. C. Second "Mercury", 602, 678*, 760
On-Time Performance, 563 (and following pages), 578*
Record of the Streamliners, 276†
S. A. L. New "Silver Meteors," 161, 452, 832, 897, 951*
Selling Streamlined Passenger Service, 580*
S. P. New "Daylight" Trains Delivered, 1010
Southern Railway "Vulcan" Trains, 399*
"Speed Limit—Ninety Miles," 578*
Statistics of Earnings and Traffic, 559*
Strikes:
British Union Calls Off Strike, 296, 322, 352
Demurrage Charges During; I. C. C. Decision, 978
Subsidies:
Allies for the Railroads, New, 511†
Big Business Socialists Versus Private Enterprise, 1†, 61†, 167†, 261‡, 303†, 611†, 641†, 731†, 839†, 989†
Business' Quest for; Wendell Willkie on, 916
Eastman Suggests Rail Subsidies in Place of Waterway Contruction, 898
Economist Dissects the Upper Mississippi Waterway, An, 403*
How Transport Subsidies Encourage Monopolies, 799
Real Competition with the Railroads—Taxpayers' Money, The, 205†
Reed, Senator, on Transportation Problem, 286, 817, 840†, 876†
Some Big Business Patrons of Socialized Transportation, 339*
Transportation "Liberal" of the '80's, A, 950†
War and the Transportation Problem, 395†
Waterway; Senator Reed on, 286, 817, 840†, 877†
Wendell Willkie's Magnificent Dramatization of Utilities' Plight, 279
Why and Wherefore of "Cheap" Waterway Transportation, 371*
Sugar Rates, Interterritorial, I. C. C. Decision on, 295
Sun Valley, Additions Being Built at, 500
Sun Valley, Summertime Ice Skating at, 84
Sun Valley, U. P. De Luxe Motor Coaches for, 82*
Sunday Operation of Trucks Prohibited in Texas, 222
Supervision Discussed at Master Boiler Makers' Meeting, 651
Supervision, Training and Coaching; L. W. Baldwin on, 620
Supervisor, The Qualities of a Good, 663
Supply Wagons Used by N. Y. C. at Beech Grove Shops, 710*
Supreme Court (See United States Supreme Court)
Swedish Railroads to be Nationalized, 265
Swedish State Railways:
Earnings of, 748
Ticket-Printing Machines, 925

T

Tank Car Tanks, Fusion-Welded, Report on, 25
Tank Cars, Mech. Div. Report on, 25
Tank, Road-Rail Milk, Demonstrated at New York World's Fair, 264
Tank, Road-Rail Milk; Motor Terminals, 973*
Tariff Adjustments for Ex Parte 115 and 123 Cases, 1008
Tax-Gatherer Versus the Owner, The, 64†
Taxes:
Automotive, Conference Held on, 629
Bill Passed by Senate, 45
Capital Gains Tax: Provisions for Purchase of Securities by Roads in Financial Difficulties, 45, 84
C. of N. J. Ordered to Pay Part of 1939 Taxes, 1009
Could U. S. End Discriminatory State Taxation of Railroads?, 312
Florida Roads' Tax Base Reduced, 198
Internal Revenue Law Amendments Proposed by A. A. R., 865
Legitimate, and Trade Barriers; Governor Stark on, 497
New Jersey Railroads' Tax Case, 680, 718, 767
Railway, Increase in, 64†
Superhighway Construction Program A "Fantastic Scheme"—But—, 782†
Year 1938, Statistics on, 602
Technological Progress and Economic Progress; S. O. Dunn on, 7
Teletype Facilities Extended; C. M. St. P. & P., 315*
Temporary National Economic Committee:
Witness Criticizes Railroads' Oil Dealings, 602, 632
Witness Hits High Cost of Oil Transportation, 536
Terminal & Shaker Heights Realty Company Sued by Vaness Creditors, 535
Terminal Railroad Association of St. Louis: Competitive Bidding on Bond Issue, 54, 89, 123, 234, 269, 298, 387
Terminals:
Denver Produce Terminal Opened, 225
Denver Produce Terminals, Competitive, I. C. C. Hearing on, 120, 296
Motor Coach, at Los Angeles, 260*; at Hollywood, 448*
Union Motor Coach Terminals Near New York Proposed, 935
Union Motor Truck Terminals at New York Proposed by Port Authority, 797
Tests:
A. A. R. Tight-Lock Coupler, Yoke and Radial Connection, 29
Bend Tests for Rails, Report on, 211*
Cor-Ten Steel in Hopper Cars, Service Life of, 847*
Rail Failure Tests, Report on, 209*

GENERAL INDEX—Continued

[Illustrated articles are indicated thus; Editorials thus†; Letters to Editor thus‡]*

Tests:—(*Continued*)
Rail Joint, on P. R. R. and A. T. & S. F., 37*
Track, on P. R. R., Report on, 39*
Trucks, High-Speed Freight Car; A. A. R., 3†, 6, 681
Texas & Pacific Motor Transport Company Granted Motor Truck Certificate, 900
Texas Electric Subject to Ry. Labor Act, 767
Texas Railroad Commission:
Operation of Trucks on Sunday Prohibited, 222
Rate Differentials Eliminated by, 717
Suit Against Galveston Truck Line Corp., 604
Ticket-Printing Machines on Swedish State Railways, 925
Tickets, Round-Trip, C. M. St. P. & P. Extends Time Limit on, 194
Tie Seasoning, T. J. Moss Tie Company Improved Methods of, 309*
Ties:
Boring Practices, Chaotic, 960
N. Y. N. H. & H. Renewal Analysis, 431†, 438*
Preboring, Value of, 960
Producers' Stocks, Conference Held on, 955*
Railroad Tie Goes to Market, A, 266*
Renewal Statistics for 1938, 258
Renewals, Are We Behind in, 431†
Renewals, Causes of Low, 431†, 438*
Treated; Statistics for 1938, 139*
Timber, Preframed Treated, for Replacement Purposes, 704
Time, Inc.: Advertisement Showing Contribution to Railroad Traffic, 452
Timetable Streamlined by I. C., 199
Tire Rates, Low, Truckers Oppose, 717
Toll Roads and Bridges, Bill Proposing, 124, 157, 193, 227 (Bill Killed)
Toll Roads and Free Roads, Report on, 206†, 731†
Tolls on Rivers, Bill Introduced for, 45
Tonnage and Production, 1928-1938, I. C. C. Study of, 888*, 991
Track:
Anchoring Track to Meet Present-Day Conditions, 521
A. A. R. Research Program Continued, 798
Heaving, Its Causes and Control, 519
High-Speed Trains and Maintenance, 522, 589*
Maintenance of Curves for High Speeds, 489
Report of Committee on Stresses in Track on Rail Joints, 37*
S. P. Line Revision in Southern California, 280*
Southern Railway Tracks at High Point, N. C., Depressed, 882*
Tests on P. R. R., Report on, 39*
Track Labor Costs, Effect of Heavier Rail on, 336*
Track Supply Association Exhibit, 504
Trade Barriers:
Hopkins Boards the "Barriers" Bandwagon, 915†
Legitimate Taxes and; Gov. Stark on, 497
Propaganda Exploded by State Officials, 709
Public Affairs Committee Pamphlet on, 979
Study Sponsored by Dept. of Commerce, 865, 901, 915†
Traffic:
Air Line; June, 266; October, 902
Automobile, in 1938, Division of, 320
Express, Forwarder and L. C. L., Senate to Investigate Railroad Methods of Handling, 47, 120, 422, 501, 595, 603, 762
Highway Traffic of Railroads, 84
Time, Inc., Advertisement Showing Contribution to Railroad Traffic, 452
Traffic Club of Chicago: Luncheon in Honor of Dr. B. H. Meyer, 85
Traffic Management Institute Proposed, 741, 856
Train Accidents (See Accidents)
Train Communication Systems, Electrical Section Report on, 743
Training and Coaching Supervision; L. W. Baldwin on, 620
Trainload Rates on Molasses Sanctioned, 419, 714, 759, 947†, 969
Trainmaster, How to Select a, 412
Trains: (See also Streamlined Trains)
B. & M.; Four New Fast Freights, 534
Diesel, Purchased by Argentine State Rys., 712
"Exposition Flyer" a Permanent Train, 353
Highway Passenger "Train" in Germany, 251
L. V. "John Wilkes," 175*
N. Y. C. "Pacemaker," 86, 123, 196, 224*, 453
P. R. R. "Trail Blazer," 86, 196, 224*, 227, 498, 675
St. L.-S. F. Plans Fast Passenger Train, 900
Trans-Missouri-Kansas Shippers' Advisory Board Meeting, 468†, 497
Transport Bills:
How Congress Left, 255, 295 (Correction)
Wheeler-Truman Bill, 99†, 115 (House Bill), 153, 182 (Passed by House), 198, 205†, 222, 224, 255, 503, 676, 763, 830, 855
Transport Topics: Truck Propagandists Stumble Upon an Embarrassing Truth, 311*
Transportation Authority Bill, Eastman Report on, 123
Transportation Charges: Bill to Prohibit Including in Selling Price a Larger Charge for Transportation Than Was Actually Incurred, 192
Transportation Club of Atlanta: Officers, 976
Transportation Conference at University of Michigan, 629, 679, 763
Transportation Economists, Examinations for, 498
Transportation Follies of 1939, 167†
Transportation "Liberal" of the '80's, 950†
Transportation Problem:
Senator Reed on, 286, 817, 840†
War and the, 395†
Truck-Hoist, New; C. R. I. & P., 975*
Trucks, Car:
Arch-Bar; Date for Removal Extended, 6
Arch-Bar, Number of Cars Equipped with, 6
C. M. St. P. & P. Tests New Design of, 832*
High-Speed Freight Car; A. A. R. Tests of, 3†, 6, 681
Pullman, Developments in, 695

U

"U. S. Steel News": Railroad Number, 498
Union Pacific:
Bill for Maintaining Trackage in Fort Leavenworth, 123
Cars, Challenger Merchandise, 930*
Challenger Merchandise Service, 929*
"City of San Francisco" Derailed, 276†, 289*, 292, 350, 444*
Jeffers' Boyhood Home to be Memorial, 49*
Locomotives, 4-8-4 Type, 515*
Motor Coaches, De Luxe, for Sun Valley, 82*
Motor Transport Operations in 1938, 145
Office Building at Omaha Air-Conditioned, 170*
Scholarships Named for Carl R. Gray, 452
Streamlined Trains Ordered, New, 604
Streamliners, Earnings and Traffic of, 574*
Sun Valley, Additions Being Built at, 500
Union Stock Yard & Transit Co. Ruled Common Carrier by Supreme Court, 798, 902
Union Switch & Signal Company:
Car Retarders in Enola Yard; P. R. R., 146*
C. T. C. Installation; Homer Creek, Va.-Luke; N. & W., 996*
Union Tank Car Company: Experimental Tank Cars Authorized by I. C. C., 805
United States Civil Service Commission:
Examinations for I. C. C. Positions, 800
Examinations for Transportation Economists, 498
United States Department of Agriculture:
Bureau of Agricultural Economics:
Annual Report, 1011
Freight Rate Indices Compiled by, 1012
Bureau of Public Roads:
Annual Report for 1938-39, 937
Grade Crossing Appropriations, 84
Toll Roads and Free Roads, Report on, 206†, 731†
Wood Preservation Statistics for 1938, 139*
United States Department of Commerce:
Bureau of the Census: Locomotive Shipments and Railroad Shop Orders, 48, 762, 901
"Eager to Co-operate" on Rail Problems, 1008
Inland Waterways Corp., Directed by, 158
Trade Barrier Study Sponsored by, 865, 901, 915†
United States Department of Justice: Antitrust Action Against A. A. R., 670, 860
United States Department of the Interior:
Bituminous Coal Division:
Creation of, 47
Pricing Fixing Opposed by Mississippi Valley Association, 676
Bureau of Mines: Scrap Survey Made, 761
Land-Use Agreement with S. P., 765
United States Maritime Commission:
Citrus Rates to Baltimore, Proposed Report on, 381
Federal Barge Lines Investigation, 121
Intercoastal Rate Probe, Proposed Report on, 980
Intercoastal Water Rate Changes, 678
United States Steel Corporation, Book of Photographs Issued by, 761
United States Supreme Court:
C. R. I. & P. Lease of C. R. I. & G.; I. C. C. Dismissal Pay Order Upheld, 628, 758, 898
Kentucky Statute Prohibiting Transportation of Liquor by Contract Carriers Upheld, 798
Old Colony Passenger Service Case, 766
Railroad Cases, Appeals Granted or Denied in, 603, 628, 798
Texas Electric Subject to Ry. Labor Act, 767
Union Stock Yard & Transit Company Ruled a Common Carrier, 798, 902
Valvoline Oil Company Case, 798
United States War Department:
Board of Engineers for Rivers and Harbors: Unfavorable Report on Great Lakes-Hudson River Waterway Made to, 861
United States War Department:—(*continued*)
Transportation Activities of; Mutual Transportation Committee Resolution on, 502
Universal Carloading and Distributing Co., Inc., Status Under Retirement Act and Unemployment Insurance Act, 384
University of Michigan, Transportation Conference at, 629, 679, 763
Upper Mississippi Waterway, An Economist Dissects, 403*

V

Valve, Operating, Barco Type M-3 Power Reverse Gear, 747*
Valve Gear Design, Report of the Committee on Further Development of Reciprocating Steam Locomotive on, 35
Valve Gears (See also Poppet Valve Gear)
Valvoline Oil Co.: Supreme Court Decisions, 798
Vaness Creditors Sue Terminal & Shaker Heights Realty Company, 535
Ventilation: Air Curtains in P. R. R. Diners, 474, 480, 484
Victorian Government Railways: Freedom of Railways to Compete with Trucks Proposed, 432
Victorian Railways Truck-Competitive Problem; H. W. Clapp on, 979
Virginian: Government Coal Shipment Case, Supreme Court Denies Review of, 628

W

Wabash:
R. F. C. Loan Granted, 638, 1015
"Stop-Off" Cars May be Placed Originally at "Stop-Off" Points, 681
Wages (See Employees: Wages)
Wages and Hours Act (See Fair Labor Standards Act)
"Wall Street Journal":
Problems of the Air Transport Industry, 631
Selfish Interest of Business in Private Ownership of Railways, 244
Woodlock, T. F., on Freight Classification, 699
Woodlock, T. F., on Youth and Aviation, 468
War, The:
British Railway Operations, 532, 843*
Canada's Railways Are Ready for, 891*
Economic Preparation for, 331†, 363†, 395†, 429†, 465†, 511†, 655 and 676; (S. O. Dunn on), 689†
N. A. M. Decries, 452
Preparedness—Railroads and the Army, 689†
President Could Take Over Railroads by Proclamation, 596
Prices Raised by, 434
Railroads Not Ready for, 331†
Railway Buying Increased Because of, 434
Transportation Problem and, 395†
Washer, Blackhall Bus and Car, 975
Water Rates:
Intercoastal Rate Structure; U. S. Maritime Commission Proposed Report on, 980
Intercoastal, U. S. Maritime Commission Allows Changes in, 678
Water Service: Pumping Equipment to Meet Today's Requirements, 658
Water Treatment, Illinois Central Benefits from, 1002*
Waterways: (See also Names of Waterways)
Barges Stranded on the Missouri for Lack of Water, 630, 783, 848
Eastman Suggests Rail Subsidies in Place of Waterway Construction, 898
Economist Dissects the Upper Mississippi, An, 403*
Great Lakes-Hudson River Waterway, Unfavorable Report on, 861
Peter, Paul and the Barges, 335
Regulation (See Regulation)
Senator Reed Explains Cost to Farmers, 876†
Statistics for 1938 Issued by I. C. C., 630
Subsidies; Senator Reed on, 286, 817, 840†, 877†
Tolls on Rivers, Bill Proposing, 45
Transportation Follies of 1939, 167†
Some Big Business Patrons of Socialized Transportation, 339*
Wheeler-Truman Bill for Regulation of, 99†, 115, 153, 182, 205†, 224, 255, 676, 855
Weight of Equipment:
Lightweight Equipment, History of, 693
Materials Used in Streamlined Trains, 587*
Weights on Citrus Fruits, Estimated, I. C. C. Hearing on, 83
Welded Rail (See Rail)
Welding:
D. & H. Fusion-Welded Locomotive Boiler, 33
Fusion-Welded Tank Car Tanks, Report on, 25
West Disinfecting Company: "Rodite" for Exterminating Rates, 295
West Shore: Fan Trip Over Unusual Route, 419
West Virginia Transportation Company: Bus Operations Expanded, 972*

Western Pacific:
"Exposition Flyer" a Permanent Train, 353
James, Arthur Curtiss, Retirement of, 750*
Locomotive Shop at Sacramento Modernized, 406*
R. F. C. Loan Extended, 638, 870
Reorganization Plan Modified, 195, 507
Western Railway Club: C. E. Johnston Urges Railroads to Drop Defeatism, 623
Western Roads, Christmas Traffic Handled by, 1006
Western Roads Reduce Round-Trip Fares, 677
Westinghouse Air Brake Company: Death of A. L. Humphrey, 725*
What Will the Traffic Bear?, 4*, 64, 101*, 133*, 169*, 208*, 243*, 275*, 305*, 333*, 365*, 397*, 431*, 467*, 513*, 597*, 613*, 644*, 692*, 733*, 781*, 811, 842, 878, 917*, 949, 991
Wheat Crop Handled Without Delay, 262
Wheel-Cooling System; S. P., 921
Wheeler-Truman Bill (See Transport Bills)
Wheels:
Cast-Iron, Measurement of Chill in, 15
Mech. Div. Report on, 3†, 14*
Single-Plate Bracketed Chilled-Iron, 14*
Wrought-Steel, Permissible Wheel Loads for, 17
White Motor Co.: U. P. Sun Valley Coaches, 82*
"Who's Who in Railroading," 783
"Wichita Magazine": Peter, Paul and the Barges, 335
Wood Preservation:
Statistics for 1938, 139*
Use of Preframed Treated Timber for Replacement Purposes, 704
What About Producers' Tie Stocks?, 955*
Woodpulp Rates Suspended by I. C. C., 84
Woodruff, R. E., Named Co-Trustee and Chief Operating Officer of Erie, 659*
Works Progress Administration:
Pension Service Records Project Abandoned, 121
Survey of State Motor Vehicle Regulations, 422
Trade Barrier Study Undertaken, 865, 901

Y

Yale & Towne Phantom Doorman, 851*
Yards:
Cars for Returning Car-Riders, Modern, 614†
S. P. Coach Yard at Los Angeles, 367*
Young Men's Christian Association:
National Railroad Assembly Held, 52
Railroad Membership Drive, 532

BOOK REVIEWS

American Railroads—Thirteenth Annual Debate Handbook, 1939-1940, 1005
Applied Economics for Engineers, 416

Baltimore & Ohio in the Civil War, The, 896
Britain's Railways, 795

Does Distribution Cost Too Much?, 415

Engineering Opportunities, 757

Handbook for Model Railroaders, 531
History of the Growth of the Steam Engine, A, 857
History of the New York, Susquehanna & Western, The, 349

Locomotives of the Atchison, Topeka & Santa Fe System, 795
London to Cambridge by Train, 154

Model Railroads in the Home, 795

Notes on Interstate Commerce Law Practice and Procedure, 857

Old Euston, 154

Passenger Car Axle Tests, 712
Present Railroad Crisis, The, 349
Proceedings of the American Railway Engineering Association for 1939, 221
Proceedings of the American Wood-Preservers' Association for 1939, 531
Protective Coatings for Metals, 82

Railroad Problem, The, 1005
Railroad Tie Decay, 757
Railroads and Rivers, The Story of Inland Transportation, 221
Railroads in Crisis, 418
Railway Accounting Rules, 800

Story of the West River Railroad, The, 1005
Survey of Railway Development and Practices, A, 415

Trains, Tracks and Travel, 154
Transport Control Abroad, 712
Transportation in the United States, 416

Universal Directory of Railway Officials and Railway Year Book, 191

ELECTIONS AND APPOINTMENTS

[*Indicates photograph and sketch; ‡Indicates sketch only*]

A

Aagaard, Peter, 544, 607‡
Acworth, J. S., 666
Adams, Avery C., 424, 425*
Adams, C. G., 203
Adams, Charles Edson, 459*
Adams, E. P., 984
Adams, F. D., 639
Adams, J. L., 804
Adelhelm, Irwin W., 57
Adkinson, W. R., 607
Agnew, R. L., 984, 1016
Ahrens, R. P., 498
Albrecht, William T., 907
Aldrich, Malcolm P., 151
Alfs, L. B., 165
Allen, Gene, 427
Allstrand, Harry P., 299*
Alonso, David S., 423
Alsip, J. F., 771
America, Frank M., 908
Andersen, G. R., 666
Andersen, J. X, 729
Anderson, A. G., 872
Anderson, Alby G., 907
Anderson, E. J., 907
Anderson, E. W., 772
Anderson, L. E., 509
Andreucetti, J. A., 747
Andrews, Charles G., 362
Andrews, Elmer F., 628
Andrews, H. L., 126*
Anewalt, H. P., 300‡
Angove, C. E., 90
Ankeney, H. E., 637
Apple, D. F., 640
Argust, E. C., 504
Armstrong, J. G., Jr., 233
Arnum, Benjamin, 543
Ashburn, Major Gen. T. Q., 796, 829
Ashley, James L., 803
Ashworth, William G., 128
Asper, George H., 234‡
Atkinson, Harry, 772, 806, 807*
Atkinson, James W., 60
Atwill, William, 983, 984*
Austin, P. R., 682
Ayars, M. T., 685
Ayler, S. F., 607, 871

B

Bacharach, Harry, 346
Bacus, H. A., 759
Baez, Guillermo Castillo, 907
Bagent, R. E., 771
Bailey, Clyde S., 346
Bailey, E. H., 128
Baily, N. Newlin, 907, 942‡
Baird, F. S., 389
Baird, Frederick H., 985*
Baker, Floyd A., 56, 164*
Baker, G. C., 361
Baker, Phil, 600
Baker, Walter, 200
Balch, J. P., 427, 943
Baldwin, L. W., 507, 799
Ball, Robert B., 361*
Ball, T. P., 389
Balliet, Leo M., 976
Bance, H., 607
Bannard, Homes, 57
Barber, F. D., 1014
Barber, F. L., 1014
Barber, Harold D., 727*, 728, 730
Barclay, Frank B., 358
Barham, Charles, 508
Barr, H. L., 686
Barrett, D. C., 686
Barrett, R. W., 652
Barry, J. R., 985
Barthelemy, P. P., 666
Bartley, William, 90
Batt, W. L., 862
Bauer, George J., 872
Bayfield, A. F., 907
Beach, T. R., 235, 328
Beach, Thomas H., 829
Beard, Charles H., 126
Beaumont, Joseph C., 60, 92*
Bebb, J. E., 1018
Bechtelheimer, A. E., 654
Beck, B. L., 868
Beck, D. H., 772
Becker, J. P., 545
Beech, James A., 872
Beerman, Otto A., 872, 907‡
Behan, J. J., 871
Bell, J. B., 908
Bender, W. A., 666
Bennett, Guy S., 389
Benny, Walter R., 510
Benton, John E., 346
Bergstrom, H. E., 909
Best, J. E., 129
Betcone, D. S., 637
Bichler, W. N., 543, 770
Bickel, W. E., 730
Billing, Henry, 868
Birkelund, G. R., 637
Birthright, Frank B., 164, 300‡
Biscoe, Howard M., 202, 234‡
Bishoff, W. E., 984
Black, James B., 151
Blackburn, R. M., 504
Blackie, William, 162
Blackmore, George A., 862, 1014
Blackwell, E. H., 838
Blaine, James G., 388
Blanc, S. F., 202
Blanton, J. P., 699
Blauel, Alfred, 203
Blease, Sam C., 46
Bloom, C. E., 235
Bloom, Edgar S., 1014
Blum, Harry J., 730, 773*
Bockman, Herman A., 427
Boh, G. M., 645
Boivin, J. A. O., 509
Bolton, E. H., 203
Bonar, J. C., 136
Bonter, C. C., 707
Borntrager, Karl A., 728, 871*
Bowen, G. C., 943
Bowen, H. B., 6, 7*
Bowman, R. J., 870
Boyle, R. E., Jr., 1017
Bradford, R. K., 771
Bramley, F., 136
Branch, B. D., 707
Branch, G. R., 202
Brand, A. E., 300
Branley, J. R., 1016
Brass, J. A., 427
Bray, S. H., 90
Bray, T. J., Jr., 233
Brendel, Louis H., 939
Brennan, S. E., 299, 327
Brennan, T. F., 460
Breton, R. J., 427
Brewster, T. P., 871
Bribiesca, Alberto, 907
Brinley, Charles E., 803
Brodbeck, Charles H., 461
Bromley, F. E., 607
Brooke, George D., 679, 715, 799, 941
Brooke, Thomas V., 232
Brophy, J. M., 666
Brousseau, Lucien, 60, 129*
Brown, A. A., 713
Brown, C. B., 729*
Brown, E. J., 487
Brown, E. O., 1016
Brown, H. A. B., 362
Brown, H. F., 746
Brown, Henry, 460
Brown, Howard B., 506
Brown, Joseph M., 506
Brown, Lewis H., 715
Brown, P. C., 460
Brown, R. M., 942
Browne, E. H., 729
Browne, W. J., 771
Bryan, J. E., 855
Buck, E. R., 165
Budd, Ralph, 46
Budde, H. B., 907
Buffington, C. W., 652
Buford, Charles H., 459*
Bull, W. F., 151
Bullock, L. N. B., 424
Burch, W. D., 460
Burckett, D. M., 746
Burgess, Carl H., 771, 871
Burke, F. A., 510, 608*
Burke, J. A., 645
Burnett, Eugene W., 362
Burnett, J. C., 461‡
Burnett, J. W., 7*
Burnett, William Sinclair, 301*
Burns, James J., 942, 1017*
Burns, Kenneth J., 297
Burton, M. C., 300
Butler, J. E., 202
Butler, W. H., 727
Butterfield, C. H., 939
Button, Arthur P., 544
Byrd, L. G., 654
Byron, A. W., 686

C

Cahill, C. P., 235
Campbell, Roy W., 855
Campos, J. Martinez, 423
Cantley, W. I., 5*
Cantu, Samuel, 423
Carbery, W. E., 639
Carleton, R. V., 729
Carlisle, W. S., 682
Carlson, Kenneth G., 60
Carmichael, G. T., 73
Carmody, John M., 47
Carpenter, K. H., 640
Carrington, H. C., 508
Carroll, T. C., 759
Carruthers, V. H., 272
Carson, J. P., 637
Carter, R. E., 460
Carter, W. C., 200
Cassell, John Y., 872
Caswell, John R., 389, 510
Ceballos, Manuel, 423
Chapman, C. L., 362
Charlton, R. A., 982
Chase, D. K., 459
Cheney, F. C., 729
Cherry, W. J., 90‡

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; ‡Indicates sketch only*]

Cheshire, F. E., 666
Chester, A. J., 458, 508‡
Chickering, Allen L., 151
Childs, Lem, 427
Christel, W. M., 388
Christian, J. A., 460
Christie, G. C., 6
Christie, J. A., 942‡, 984
Christofer, C. S., 55
Church, H. M., 654
Church, Maynard D., 868
Clancey, John A., 269
Clapp, H. W., 294‡
Clark, D. E., 907
Clark, H. H., 128
Clark, J. Allen, 909
Clark, J. E., 509
Clark, L. F., 730
Clarke, Oscar Lincoln, 727‡
Clarke, Ross, 682
Clarke, S. C., 427, 639
Clarken, T. J., 861
Claudy, C., 666
Clausen, W. H., 388
Claybaugh, K. W., 56
Clegg, William H., 93*
Clements, Arthur B., 361, 427*
Clinton, M. E., 90
Clousing, R. D., 90
Clutz, J. J., 487
Cobaugh, Harry A., 1014
Cobban, H. B., 699
Cole, William A., 327*
Collins, P. T., 1016
Collins, William J., 607
Comer, Earl R., 57
Conant, E. D., 1014
Condit, K. H., 599
Condon, H. R., 53
Condroy, G. E., 460
Connolly, J. F., 509, 607*
Connolly, R. E., 498
Connor, W. C., 460
Considine, D. E., 730
Contreras, Pedro, 545
Conway, Bernard F., 362
Cooke, William S., 943
Corbett, J. W., 56
Corrigan, R. B., 388
Cortelyou, G. B., 535
Cotsworth, A., Jr., 300
Couch, Charles P., 298*
Couch, Harvey C., 298, 770
Couch, Johnson O., 460, 942*
Coulter, Frank L., 91
Courter, C. E., 203
Courvoisie, A. P., 729
Cousins, J. W., 164
Cover, H. T., 165
Cowley, J. P., 361, 427*
Cox, C. S., 460
Cramer, F. H., 654
Cranston, W. C., 299
Cranwell, J. L., 544
Crawford, W. A., 719
Creviston, Russell G., 385
Cross, E. T., 506
Crotty, M. J., 871
Crowley, E. E., 487
Culp, H. A., 90
Cummings, W. S., 56
Cunningham, C. A., 299‡
Currie, A. L., 388
Currie, T. R., 942
Curtis, F. W., 638
Curtis, Stanton, 872, 943*
Curtiss, Lester M., 88
Cushing, Oscar K., 759
Cutright, J. R., 389

D

Dahnke, Carl F., 57
Daley, J. J., 728
Daniels, E. W., 637
Daniels, G. F., 362
Danke, F. W., 460
Danneberg, P. J., 235
Darcy, W. T., 297
Darling, Glen, 639
Darrow, F. T., 60
Davenport, James E., 982*, 986
Davies, W. H., 645
Davis, C. L., 461
Davis, Clark, 461, 510*
Davis, E. A., 268
Davis, E. W., 984
Davis, H. R., 544
Davis, J. E., 60, 92*
Davis, Jesse N., 234, 361*
Davis, John R. W., 1018
Davis, L. L., 129, 203
Day, W. F., 165
Deal, T. M., 200
DeBolt, A. C., 770
de Castro, A. S., 428
Dee, J. L., 872
deHoll, Henry R., 233
Delany, J. R. K., 942
de Leon, Pedro, 428
Demeke, Joseph A., 389*
Denney, Charles E., 525*, 770
Dent, John K., 772*
Denton, L. B., 639, 728
Deppe, J. A., 666
DeRamus, Louis F., 163*, 164
Deramus, William N., 298
Deremiah, Ray E., 91
Devenish, W. R., 728*
Devlin, F. E., 1017‡
Dey, Ben C., 151
Dickinson, C. W., 327
Dickison, Jasper E., 235
Diehl, Ambrose N., 385, 386*
Disney, Charles P., 107
Divine, C. C., 729
Dix, L. E., 645
Dixon, H. A., 729*
Dixon, J. M., 984
Dodds, Ray C., 872
Dodge, Cleveland E., 151
Doebber, F. A., 741
Doggett, L. R., 361
Donald, Lloyd F., 685*
Donley, Charles, 756
Donnatin, C. F., 56*
Donovan, A. G., Jr., 771
Dorfler, Carl E., 871
Dostal, Charles A., 297
Dougherty, C. F., 272
Dougherty, G. H., 460
Douglas, Walter, 151
Doutt, R. H., 362
Dove, R. E., 654
Dowd, Thomas J., 57, 129*
Dowie, E. J., 362
Downey, F. B., 664
Driscoll, Frank E., 60, 93‡
Duckworth, J. R., 984
Duffy, George Y., 771
Duffy, J. F., 872
Dugan, George H., 871, 907*
Dunaway, C. H., 272
Duncan, E. B., 427
Duncan, Otis B., 747
Dundon, Raymond J., 362
Dunham, Walter E., 299
Dunklin, G. T., 803
Dunlop, J. B., 671
Dunn, C. J., 871
Dunn, Homer W., 301‡
Dunn, J. C., 871
Dunn, S. O., 535
Dunphy, K. A., 272
Dwelle, L. A., 362
Dwyer, M. R., 728
Dynes, Owen W., 163, 164*

E

Eck, W. J., 978
Eckersall, Edwin R., 543
Eckhardt, G. W., 639, 728
Eddie, Glenn, 460, 461*
Eddy, H. D., 235
Eddy, Lee M., 225
Edgerton, John E., 1014
Edmondson, Walter H., 269
Edwards, Dr. Ford K., 322
Eicholtz, Harry M., 983
Ekins, F. W., 671
Eksergian, Dr. Rupen, 935
Elam, William, 130, 165
Elder, A. J., 509*, 685
Elliott, G. P., 908
Elliott, Col. Malcolm, 829
Ellis, D. S., 6*
Elmslie, James A., 389
Emerson, W. A., 600
Emmanuel, K. F., 55
Engel, H. L., 985
Enriquez, Pablo Lunea, 908
Erhart, F. H., 92
Erickson, C. A., 600
Eshelman, J. W., 599
Espino, Guillermo L., 423
Estano, W. H., 543‡, 607
Ewing, J. W., 388

F

Fairbairn, J. M. R., 225
Fairless, B. F., 535
Fallon, Emmett J., 127, 232, 233*
Farmer, C. F., 427
Farmer, R. R., 269‡
Fawcett, D. A., 55
Fee, S. L., 639
Fehrs, W. H., 804
Feickert, R. R., 460, 985
Fendrych, Charles, 985
Ferguson, E. A., 772
Ferris, P. O., 60, 389
Ferry, Van A., 427
Fetz, J. A., 985
Fiala, A. M., 982
Fiedler, J., 460
Filskov, H., 607
Filskov, T., 607
Fink, H. B., 498
Fisher, H. C., 545
Fisher, Terry, 725
Fitzgerald, J. M., 741
Fitzgerald, J. T., 686
Fitzgerald, John A., 1017
Flaskamper, L. A., 771
Fleisch, George J., 730
Fleming, D. B., 202
Fleming, Colonel Philip, 628
Flesher, Forest P., 128, 203*
Flinn, R. H., 459
Flowers, J. N., 770
Flynn, Streeter B., 771
Flynn, W. H., 5*
Fogarty, E. M., 461, 509*
Fogg, J. W., 666
Foley, L. V., 945
Folk, Rowland S., 803
Folster, S. McKay, 427
Forbes, W. H., 933
Ford, E. R., 73, 498
Ford, J. R., 772
Ford, Robert H., 544*
Ford, W. J., 389
Fortier, J. L., 388
Foulks, E. E., 1016
Fountain, J. H., 730, 773*
Fox, Charles H., 272, 362*
Foy, Furman T., 129
Frame, R. E., 1014
France, M. C., 652
Franek, Frank W., 607
Fraser, V., 1014
Frauson, O. A., 861
Freiberger, A. A., 509
Freydig, P. E., 607
Friedel, H. M., 770
Friend, C. B., 607
Fritschi, G. F., 906
Fritz, John, 202
Frushour, Herman T., 459*
Fry, Lawford H., 934
Fullerton, J. A., 327
Funda, F. P., 686

G

Gage, R. G., 872, 945
Gagnon, Wilfrid, 637
Gaither, J. O., 509
Gallagher, L. J., 909
Galvin, James P., 686
Garber, O. A., 6*
Gardner, H. V., 510
Gardner, Henry N., 637*
Gardner, J. E., 744, 746
Gardner, Victor O., 84
Gardner, Walter P., 869, 905, 976
Garrett, Ray, 387
Gavin, Frank J., 494*, 799
Gay, H. B., 939*
Gebhard, A. G., 202, 204
Gehr, C. E., 772
Gensheimer, J. S., 978
George, J. F., 507
Gibson, R. L., 456
Gilbert, G. H., 389
Giles, W. F., 361
Giles, W. F., Jr., 389
Gillam, W. R., 164, 686
Gillespie, J. T., Jr., 126
Gillick, L. H., 666
Gillies, Frederick M., 233
Gillies, John A., 56, 91*
Gillies, William R., 803, 804*
Gilliland, S. A., 943
Givens, W. C., 685
Glaeser, E. J., 460
Gleisner, F. W., 639
Goad, G. N., 871, 907
Goin, Guy L., 300, 327*
Golden, H. H., 666
Golderman, S. E., 639
Golsan, W. R., 60
Gomez, D., 771
Goodwin, E. G., 945
Goodwin, J. E., 671, 986
Gordon, R. S., 91
Gorges, E. A., 943
Gorom, F. C., 90
Gosnell, A. N., 772
Gosselin, J. F. A., 165
Gough, D. C., 127
Gould, Allen R., 388*
Graburn, A. L., Jr., 985
Gragg, R. H., 272, 388
Graham, Frank P., 759
Graham, J. G., 541
Graham, Robert B., 235
Graves, J. W., 55
Gray, C. L., 543
Gray, Clifton C., 872, 943*
Gray, Thomas C., 456
Greenaugh, A. J., 544
Greene, Edward B., 1016
Greenwood, W. E., 126‡
Gresham, D., 128
Gresham, T. D., 90
Gribben, Robert P., 90, 128‡
Griffin, T. G., 361
Griffing, G. W., 272
Griffith, J. E., 269
Griffiths, Frederick J., 769‡
Griffitts, J. F., 460
Griswold, T. E., 639
Grubb, W. B., 460
Guba, Philip M., 233*
Guerra, Guadalupe, 907
Guilfoyle, J. E., 728
Gulledge, J. S., 982
Gunderson, Wendale Arthur, 60‡
Gustofson, Harold E., 509
Guy, W. E., 637

H

Haase, L. R., 652
Hackworth, Werter S., 508, 607‡
Hadley, Carleton S., 361, 387‡, 388
Hagan, J. S., 747
Haight, C. E. R., 389
Haines, F. E., 639
Hale, L. H., 838
Hales, Felix S., 908, 986*
Haley, A. D., 204
Hall, Edred B., 7*, 299
Hallberg, E. C., 203
Hallman, E. H., 984
Halsted, H. B., 460
Hambly, Edwin N., 203, 234‡
Hamilton, J. O., 509
Hamilton, Paul, 301
Hamilton, T. J., 55
Hamilton, W. S. H., 744
Hammond, C. G., 943
Hammond, W. P., 985
Hancer, George F., 872, 1016
Hande, John H., 684, 685*
Hanes, George H., 165
Hank, Frederick B., 907, 983*
Hankins, F. W., 5*
Hankison, W. C., 544
Hanna, F. L., 509
Hanson, E. J., 607
Hanson, E. P., 165
Hanson, G. F., 943
Hanson, George B., 57, 60*
Hardin, Hugh, 92
Hardin, Joe, 460
Harding, O. W., 907
Harkness, Edward S., 151
Harman, William H., 53
Harper, C. A., 652
Harrell, J. E., 871
Harrington, Morton, 771
Harris, George H., 544, 639*
Harrison, Edward Alfred, 1018
Hartt, Jay Samuel, 387
Hartwig, W. H., 53
Harvey, W. C., 908, 985‡
Harwood, O. G., 90
Harwood, P. B., 53
Hasbrook, R. L., 747
Hasler, Thomas B., 126
Hattel, C. E., 57
Hawes, Richard S., 676
Hawkins, Morris S., 507
Hawley, James S., 679‡
Hawthorne, V. R., 5*
Hayden, Samuel A., 730*
Hayes, Chester G., 638, 684*
Hazlett, L. C., 165
Healion, W. J., 600
Healy, John O'Dwyer, 55‡
Heckel, F. W., Jr., 618
Heckman, John R., 868
Heidish, George C., 872
Heisey, P. B., 868
Helander, Linn, 599
Helme, N. E., 90
Helmuth, G. T., 667
Helstrom, H. A., 544
Hendee, A. E., 1017
Henderson, R. W., 202
Henley, R. G., 6*
Henry, Ray, 872
Hershey, John S., 300‡
Hervin, A. W., 1016
Herwitz, Harry K., 500‡
Hessler, G. F., 906
Hevron, J. W., 164
Hickey, James S., 543
Hickman, E. B., 460
Hicks, W. E., 456
Higgins, C. B., 771
Hill, E. V., 943
Hill, James W., 203, 235, 272*
Hillis, William H., 543*
Hillman, A. B., 487
Hines, W. E., 872
Hinshaw, Harry E., 361, 639, 727‡
Hislop, H. K., 908
Hitchcock, John R., 56*
Hitchcock, W. D., 235, 300‡
Hixon, George, 91
Hobbins, E. F., 200
Hoch, C. P., 460
Hodgkinson, Francis, 599

Hoefener, C. W., 872
Hogan, W. J., 269
Holden, C. K., 272
Holden, Hale, 151*
Holmberg, R. F., 301
Holmes, A. M., 328
Holmes, Clare R., 730, 773*
Holt, Ellsworth M., 57
Holt, Frank W., 60, 165*
Homberger, Dr. Ludwig M., 355‡
Hood, J. M., 699
Hooper, R. T., 90
Hoover, George W., 836
Hopkins, J. I., 543
Hopkins, L. P., 56
Hoppe, A. G., 645
Hopper, Arthur B., 543*
Horne, W. O., 128
Horner, R. R., 510, 544, 545*
Horning, H. A., 1018
Horter, B. M., 88
Hotchkiss, Walter J., 685*
Hotrum, W. J., 55, 164‡
Houghton, W. L., 389
House, F. E., 771
Houston, William O., 544, 640*
Howe, Carl, 506
Hubbard, R. B., 544
Hudson, H. R., 770
Hudson, William H., 607
Hughes, L. J., 510
Huleguard, H. V., 358
Hulse, Mack, 943
Hungerford, Clark, 164, 235*
Hungerford, S. J., 637
Hunsaker, J. C., 599
Hunt, A. L., 328
Hunt, C. T., 686
Hunt, J. H., 759
Hunter, L. C., 327
Hunter, W. L., 234
Huntt, J. M., 699
Hurst, Harry, 498
Husbands, Sam, 196
Hutchinson, William J., 803

I

Ibanez, Federico Fischer, 908
Ingersoll, John H. W., 90
Ingram, J. C., 747
Innes, Clayton P., 803
Irving, Thomas T., 60, 129, 130*
Irwin, K. M., 599
Irwin, W. H., 638
Iseldyke, M., Jr., 162*

J

Jabelmann, Otto, 6
James, Arthur Curtiss, 750*
James, F. T., 671
James, H. C., 729
James, J. L., 720
James, James C., 770
James, R. S., 838
Jefferis, G. C., 56, 90*
Jeffries, C. W., 328
Jellinghaus, Carl L., 269, 299*
Jenkins, J. J., 498
Jennings, A. S., 985
Jerome, Frank J., 544, 639*
Jester, J. H., 699
Jewell, Carl, 361
John, E. B., 90
Johnson, A. B., 639
Johnson, A. E., 727
Johnson, B. P., 772‡
Johnson, Charles S., 759
Johnson, E. L., 986
Johnson, Elmer B., 300, 327, 362*
Johnson, G. R., 719
Johnson, Robert K., 770
Johnson, W. A., 984
Johnston, Arthur L., 1017, 1018*
Johnston, L. T., 506
Johnston, P. W., 727, 728*
Johnston, W. H. M., 327
Jones, Harry E., 985, 1018*
Jones, Jesse H., 47
Jones, M. W., 720
Jones, W. L., 671
Jordan, H. H., 460
Joslin, Otto, 461
Jump, S. C., 544

K

Kahler, C. P., 181
Kalas, Frank T., 1014
Kalinka, John E., 804*
Kane, Thomas J., 127, 871
Karibo, J. J., 909
Kartheiser, F. L., 666
Kasper, Walter F., 906, 939‡
Kassick, L. R., 719
Kauffman, E. C., 128
Kauffman, Henry P., 907
Kauffmann, Alfred, 200
Kearby, Ivan S., 91
Keating, Helen B., 772
Keating, S. J., 639
Keefe, Robert E., 770
Keegan, J. E., 666
Keeley, C. F., 389
Keister, E. L., 164
Kelley, C. F., 607
Kellogg, H. E., 200
Kelly, D. M., 607
Kelly, J. M., 272, 388
Kelsey, Dwight C., 362
Kemp, John E., 838*
Kemper, R. E., 607
Kendall, Leon B., 685*, 942
Kent, W. M., 427, 638‡
Kerr, W. S., 728
Ketcham, Frank A., 637
Key, F. A., Jr., 460
Kiefer, W. C., 907
Kiel, M. W., 327
Kilbourn, G. H., 56
Killen, Marshall M., 361
Kilway, C. C., 638, 639
Kimball, Charles Mauck, 93‡
Kimsey, I. N., 982
Kindler, Paul J., 55
King, B. C., 652
King, B. J., 729
King, Claude P., 770, 837‡
King, E. V., 942
Kirby, C. C., 510
Kirby, H. E., 487
Kirk, John C., 510, 609*
Kirkbride, W. H., 286, 371
Kirkpatrick, W. A., 871*
Klein, C. J., 652
Kline, A. L., 771
Kline, Roy C., 984, 1016
Knowles, A. M., 654
Knowles, L. J., 985
Kohlhase, A. C., 1017
Korb, Emil C., 772
Krames, L. C., 327
Kratky, Chester C., 770
Krause, Harry A., 943
Kriesien, A. E., 328
Kronauer, F. C., 753
Krueger, A. J., 666
Kruse, Otto V., 604
Kruse, W. F., 729
Kuhns, Joseph H., 803*

L

Lancaster, Samuel W., 90
Landman, Louis W., 985*
Lang, P. C., 460
Large, Henry W., 985
Lash, G. H., 773
Latta, Blake A., 299, 388*
Lautz, H. B., 56
Laux, J. P., 175
Lavallee, J. L., 126*
Law, S. W., 978
Lawrence, B. H., 506
Lawrence, N. M., 459
Lawson, Norman, 327
Leahy, William J., 57*, 91
Leal, Jose Diaz, 907
LeBlanc, Henri P., 130
Lebo, Everett B., 772
Lee, A. B., 806
Lee, F. P., 164
Lee, P. J., 327
Leedy, E. C., 427
Lehman, Frank A., 56*
Lehmann, N. R., 389
Lennie, James Norman, 771
Leonard, J. A., 300
LeRoy, Lewis J., 327
Lester, J. E., 1017
LeSueur, C. P., 984
Levy, Berne, 300, 362*
Lewis, E. R., 1018‡
Lewis, Evariste M., 908, 986‡
Lewis, F. E., 362
Leyhe, George W., 976
Lichty, C. A., 487, 654
Lickteig, M. G., 907
Lienhard, V., 56
Link, N. A., 300
Linstead, F. C., 498
Lippincott, Carter H., 985
Lippold, Herrman H., 985
Lister, C. E., 771
Litchfield, H. P., 906
Livingston, H. T., 203
Lockwood, T. C., 833
Lodge, H. L., Jr., 984
Loewy, Raymond, 52
Logan, Donald A., 55
Logan, George H., 729
Long, M. L., 638
Longo, F. A., 652
Lorimer, James, 771, 806*
Loughlin, Frank J., 93, 872, 908*
Lounsbury, Harvey E., 57, 92*
Love, A. K., 300
Lovell, L. A., 771
Lovett, V. E., 235
Lowe, A. A., 56, 57*
Lowmaster, A. T., 870
Luddecke, R. R., 855
Lummis, J., 90
Lundberg, S. M., 943
Lundell, G. E. F., 67
Lyford, L. L., 389

M

MacAnanny, J. R., 860
MacArthur, F. V., 200
Mackay, C. D., 759
Mackie, A. M., 829
Macklin, Walter J., 897
Macleay, Lachlan, 676
MacMartin, James, 60, 92*
MacNamara, R. J., 361
Macrae, J. M., 129‡
MacWhinney, E. S., 90
Maegly, E. C., 57
Mahoney, F. T., 272
Maley, D. J., 328, 727
Maloney, C. J., 747
Manice, William DeForest, 151
Manion, Robert J., 84‡
Manning, T. J., 872
Marchant, C. C., 1016
Marion, Leon, 362
Marks, J. L., 165
Marlin, W. H., 90
Marshall, C. B., 300
Marshall, C. D., 200
Marshall, William R., 297
Martin, A. D., 91
Martin, Lucien E., 770
Martin, R. R., 162
Martin, T. J., 362
Masse, Oscar, 388, 509*
Masson, L. J., 771
Mather, William G., 1016‡
Mathews, W. M., 943*
Matthews, H. A., 746
Maurice, Alejandro, 428
Maxson, Willis E., 361, 387*
Maxwell, M. W., 327, 328*
May, A. J., 202
May, R. G., 55
May, Robert E., 346
Maynard, E. A., 771
Mayne, Earl L., 872, 944‡
Mays, C. S., 945
Mays, Floyd R., 6*, 983
McAndrews, Thomas E., 362, 428*
McAvoy, J. P., 389
McBride, M. B., 543
McBryde, W. H., 47, 599
McCarthy, A. C., 361*
McCarthy, W. J., 327
McCarty, Earle E., 55, 128*
McCauley, Howard W., 871
McClees, E. J., 759
McCloskey, G. J., 984
McClure, David, 639
McColgan, J. W., 164
McComb, R. J., 504
McCormick, G., 6
McCormick, John A., 358*
McCoy, B. F., 91
McCoy, G. E., 666
McCrea, G. L., 300
McCrosky, Lane, Jr., 772
McCullough, F. W., 269, 299*
McCune, Robert H., 906, 939‡
McDannel, K. C., 771
McDonald, A. D., 151, 799
McDonald, Charles F., 772
McDonald, Harry J., 269, 299‡
McDonough, D. F., 427
McDowell, T. C., 129
McElree, J. C., 746
McGahey, E. P., 300
McGee, Robert D., 1016
McGivney, L. B., 771
McGonigle, F. A., 682
McGranahan, Stanley F., 55
McGuigon, W. L., 684, 685*
McGuire, R. E., 727
McHenry, Albert M., 730
McInnes, M. G., 128, 771, 907
McIntyre, H. H., 684
McKaig, C. V., 424
McKeithen, D. E., 427
McKenney, Forrest H., 60‡
McKereghan, C. C., 508
McKibbin, R. L., 509
McKillop, R., 727
McKinnon, J. H., 728, 771*
McLean, V. H., 985
McLemore, R. C., 771
McManamy, Frank, 535
McMichael, John C., 985
McMillan, J. R., 806
McMillan, J. S., 607
McMillan, Robert J., 872
McMullen, B. L., 128
McNab, J. V., 272
McNamara, James, 759
McNeill, A. L., 747
McPherson, L. M., 756
McPherson, W. R., 771
McWhorter, Robert B., 714
Mein, William W., 803
Menard, J. P., 60, 129*
Meriwether, E. T., 300
Merrihue, W. V., 456
Mersen, J. T., 607
Meuller, Frank E., 804
Meyne, Orrie M., 203, 272*
Michelson, Charles B., 907
Mickelson, T. M., 638
Middleton, R. A., 1017
Miller, C. A., 699
Miller, George B., 747
Miller, H. L., 300
Miller, J. C., 671
Miller, J. M., 487
Miller, John W., 1014
Miller, L. A., 618
Miller, William G., 508
Mills, Aubrey, 796
Mills, H. A., 771
Mills, John R., 460, 510*
Mills, Shirley N., 596, 631*
Minchin, George H., 235, 269*
Miner, K. L., 654
Mitchell, A. S., 607*
Mitchell, Arthur W., 427
Mitchell, B. W., 90
Mitchell, P. H., 640*
Mitchell, W. J., 427
Mittelberg, Walter C., 686*
Mixon, J. C., 727
Mohr, Edwin J., 53
Monger, H. G., 699
Monson, H. W., 771
Montgomery, E. A., 460
Moore, C. W. O., 543‡
Moore, J. B., 91
Moorefield, W. A., 1014
Morales, Pedro C., 424
More, W. L., 1016
Moreton, A., 730
Morgan, C. H., 666
Morgan, H. H., 67
Moriarity, James R., 460
Moriarty, Kenneth L., 838, 942‡
Moriarty, Wilson H., 424‡
Morison, A. P., 461‡
Morris, E. L., 90
Morris, John P., 60, 93*, 666
Morris, L. U., 90‡
Morrison, H. A., 747
Morrow, Geo., 504
Morse, A. R., 389
Morse, Charles H., III, 200
Moss, R. W., 985
Mott-Smith, Kenneth O., 684
Moyer, M. E., 728
Moynihan, James J., 55, 128‡
Mueller, W. L., 942
Mulcahy, P. H., 770
Mulgrew, Thomas J., 829
Mulick, G. J., 128
Mulick, J. E., 128
Mumper, L. R., 907
Munch, Alfred E., 267
Mundee, C. J., 129
Munson, H B., 685
Murphy, D. P., 53
Murphy, Frank M., 804
Murphy, J. W., 56, 1016
Murphy, John W., 388*, 607
Murphy, William A., 832
Murr, W. G., 327
Murray, T. H., 509
Murrin, Edward, 759
Murtha, B. J., 165
Musgrave, C. R., 741
Musgrave, Hedley V., 235‡
Myers, E. M., 719
Myers, F. W., 327
Myers, Frank L., 128‡, 235

N

Nahler, Eugene G., 727
Nance, O. H., 699
Nash, Philip S., 803, 804*
Neal, Charles S., 361
Neaves, Crescencio, 545
Needham, R. J., 746
Neish, John B., 772, 872‡
Nelson, C. J., 600, 666
Nelson, D. J., 639
Nelson, H. J., 202
Nelson, Martin H., 909
Nelson, O. D., 327
Nelson, R. W., 872
Nelson, Richard M., 389, 428*
Nessly, F. C., 427
Newell, J. W., 73
Newlands, L. C., 756
Newman, Louis E., 362
Neyman, S. O., 943
Nichols, P., 498
Nichols, R. B., 385
Nichols, R. L., 509
Nicholson, John M., 807*
Nicoll, Alfred H., 637
Nies, A. B., 1018
Noble, Stanley E., 728*
Noe, John B., 235, 328*
Nolan, George H., 388, 508
Northey, James A., 162, 637
Norton, J. M., 129
Nummerdor, C. A., 55
Nye, Carl M., 1018

O

Oas, E. A., 747
Oberdorf, R. E., 908
Ochiltree, T. H., 543, 607
O'Connor, D. L., 729
O'Connor, L. P., 684
O'Connor, R. J., 872
O'Dore, J., 1017

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; ‡Indicates sketch only]

Okie, F. W., 164
Oldham, R. V., 165, 300
Oliver, George K., 600
Oliver, George L., 907, 944*
Olp, C. E., 728
Olson, Ernest P., 607, 838*
Olson, G. H., 200
Olson, L. M., 1017
Olson, Marshall L., 57
O'Neill, W. J., 411
Oppelt, J. H., 872, 944‡, 978
Orea, Atenogenes Munoz, 907
Orlemann, George F., 509, 638
Orr, R. E., 55, 90‡
Ortiz, Amador C., 424
Osborn, O. H., 1017
O'Sullivan, P. F., 56, 91*
O'Toole, John J., 872
Owen, A. E., 788
Owens, E. E., 652
Owens, Walter C., 728, 729*

P

Pace, Clyde William, 272, 328‡
Page, Arthur W., 1014
Page, Harold D., 868*
Palmer, L. R., 535
Palmes, W. L., 942
Palmquist, L. W., 685
Palomero, Vicente Espinosa, 908
Parker, L. A., 907
Paterson, George C., 1016
Patterson, C. L., 328
Patterson, J. C., 753
Patterson, William J., 194*, 225, 596
Paulan, J. E., 741
Pearce, E. C., 56
Peddle, J. B., 868
Pederson, Bernhardt J., 509
Pedigo, C. R., 388
Peek, Burton F., 676
Peel, J. D., 427
Peers, Alexander, 729
Pennington, G. Gordon, 57
Penrose, E., 389
Percy, C., 638
Perez, Pedro, 93
Perkins, C. E., 151
Perkins, Harrell L., 907
Pernter, C. H., 389, 943
Peters, Ernest J., 509
Peters, J. M., 91
Peterson, D. C., 1014‡
Pettrey, C. M., 986
Philbrick, F. H., 504
Philhour, C. W., 235
Phillips, G. L., 300
Phillips, Herbert M., 984, 985
Pierce, E. E., 985
Pierce, T. M., 361
Pierson, Oscar G., 60, 130*
Pitcher, Stanley F., 771
Pitchford, Walter S., 327
Pitney, Shelton, 869, 905, 976
Place, Willard F., 427
Polson, S. J., 908
Polson, T. P., 908
Pond, C. E., 909‡, 986
Poore, S. H., 235
Potter, K. M., 985
Poucher, Richard C., 232
Powell, L. F., 202
Powell, James S., 796
Power, J. A., 7*
Powers, Thomas F., 461
Prater, B. H., 181
Prather, O. A., 200
Prentice, C. D., 908
Price, G. A., 233
Price, George A., 267
Price, William F., 165, 272*, 301
Pritchard, J. R., 507
Protz, O. J., 729
Prout, G. R., 297
Punter, William Mathew, 872, 945‡
Purcell, John, 6*
Purviance, H. D., 942
Purvis, H. W., 699
Pyle, I. L., 461, 729*

Q

Quigley, T. J., 164
Quinn, J. A., 607

R

Ragsdale, F. C., 427
Rahner, J. D., 908‡, 944*
Ralston, A. L., 7*
Ramey, E. E., 645
Ramsey, T. H., 544
Rand, L. S., 427
Randall, G. C., 765
Randall, Raymond C., 55, 727*
Rankin, D. M., 56, 1016
Rardin, H. G., 389, 428*
Rasp, Ira G., 985
Rausch, C. C., 682
Rawlings, Stuart L., 151
Ray, Horace E., 730, 772*
Ray, R. F., 838
Raybourne, R. C., 389
Raymond, A. A., 645
Raymond, S. J., 327
Raymus, G. F., 771
Redmond, C. W., 130
Reed, Philip D., 835*
Reed, R. P., 639
Reese, A. G., 203
Rehm, George H., 57, 203‡
Reinhart, C. A., 984
Reinsagen, Harry B., 544, 608‡
Rex, F. R., 459
Reymer, C. H., 541
Reynolds, C. R., 639
Reynolds, Jackson E., 151
Reynolds, Theodore G., 46‡
Rhoads, W. C., 60
Rice, H. S., 771
Rice, Robert, 55
Rice, W. L., 671
Richardt, Ralph, 202
Rickerson, L., 460
Rinehart, J. C., 504
Ripley, C. T., 934
Roach, Richard P., 127
Roberts, E. G., 928
Roberts, G. P., 165
Roberts, John J., 804*
Roberts, Col. Warren R., 683*
Robertson, A. W., 46
Robertson, Edgar A., 235‡
Robertson, H., 720
Robinson, W. H., 91
Rochin, Conrado C., 423
Rodman, Col. W. B., 507
Roedell, O. A., 713
Roesch, Frank, 763
Rogan, J. E., 510, 544
Rohweder, A. V., 667
Rolph, Henry D., 725
Romer, Salvador J., 423
Ronaghan, A. J., 90
Root, Edward E., 545
Root, J. J., Jr., 666
Ross, Arthur R., 638
Ross, William A., 385*
Rossetti, V. H., 151
Rote, R. O., 543, 544
Rotroff, M. J., 1014‡
Rowan, B. J., 456
Ruffner, C. W., 300
Russell, Donald J., 56, 57*
Russell, Joseph A., 362
Rutherford, Frost, 747
Rutherfurd, Morris, 1016
Ryan, C. J., 92
Ryan, J. M., 719
Ryan, J. V., 771
Ryan, John M., 461, 543
Ryan, Norman A., 459, 460*, 509

S

Sams, J. A., 129
Sanchez, Jose Morales, 545
Sanchez, Samuel, 907
Sanderson, M. F., 510
Sandford, F. P., 639
Sanford, Wood, 385
Sansom, Edward M., 868
Savage, George T., 55
Savage, Irving, 129
Savage, Thomas E., 872, 908*
Sayles, A. L., 907
Scandrett, B. W., 770
Scharf, O. P., 980
Scheer, E. W., 799
Schempp, Carl H., 1018
Schindler, R. E., 699
Schmid, R. L., 461, 543, 608‡
Schmidt, Herman F., 508
Schneider, Theodore R., 607
Schnitzer, George E., 298
Schram, Emil, 158
Schram, I. H., 753
Schroeder, E. T., 803
Schubert, J. H., 772
Schultz, F. W., 609
Schuppener, D. D., 327
Schwartz, F. R., 730
Scott, C. F., 506
Scott, C. M., 771
Scott, George E., 456*, 461, 730
Scott, H. H., 460
Scudder, Charles J., 545*
Scully, Thomas E., 982
Seay, T. H., 73
Seeger, E. W., 53
Seger, J. F., 300
Seibert, William J., 460
Seifert, S. P., 545, 609‡
Self, C. M., 298
Sellers, J. M., 943
Servais, P. A., 300
Setzer, E. L., 729, 976
Sevin, John V., 327
Sexton, E. J., 327
Sexton, J. W., 871
Shade, George, 57
Shapard, R. S., 90
Sharkey, J. F., 984
Shaw, Albert, 328, 1016*
Shea, J. B., 685
Shields, G. H., 943
Shoemaker, G. T., 599
Shoemaker, Harry B., 907
Shove, W. C., 645
Shrader, E. R., 728
Shreve, E. O., 126
Shull, C. O., 165, 686
Sibley, W. R., 362
Sigelen, Austin C., 57
Sikes, E. O., 460
Simmons, H. H., 385
Simmons, I. L., 203
Simmons, William P., 543
Simpson, Foster H., 544
Simpson, George W., 984
Simpson, J. A., 151, 498
Sisco, J. H., 203
Sisson, Charles H., 607
Sitton, G. L., 487
Skeen, Harold L., 362
Skillen, John R., 56, 128*
Sloan, Alfred P., Jr., 46
Sloope, G. H., 907
Small, R. M. B., 327
Smith, A. M., 55
Smith, Alan B., 57
Smith, C. W., 327
Smith, C. W., 907
Smith, E. G., 498
Smith, E. S., 666
Smith, George H., 234*
Smith, H. B., 727
Smith, Harris B., 872, 908*
Smith, H. S., 942
Smith, Sherman, 728, 871*, 942
Smith, T. Duff, 763
Smyer, Clinton E., 1017‡
Snodgrass, H. Sydney, 297
Snow, W. M., 362
Snyder, H. J., 460
Snyder, H. J., 907
Soebbing, E. P., 713
Soothill, F. H., 654
Sorensen, L. K., 1017
Spackman, G. Donald, 88
Spangenburg, R. W., 234
Spangler, L. A., 747
Sparling, Howard H., 91*
Spencer, William H., 759
Sporleder, W. M., 907
Squires, W. A., 728
Stafford, F. R., 728
Stainer, Monroe A., 60, 203, 204*
Stainton, S. D., 942, 943*
Staman, E. A., 942
Starkweather, F. E., 744
Stearns, R. L., Jr., 202
Stearns, R. L., Sr., 202
Stegner, E. J., 129
Steinberger, Franklin J., 730
Steiner, F. G., 829
Steinmuller, G. J., 57
Stenger, Paul J., 327
Stettinius, E. R., Jr., 46
Stewart, C. G., 165
Stewart, E. P., 730
Stewart, W. J., 424
Stiglmeier, A. F., 652
Stilwell, Col. John, 667
Stocker, James A., 544, 639*
Stoddard, A. E., 128
Stokes, M. F., 427, 458*, 607
Stoll, Clarence G., 1014‡
Stone, A. B., 823
Strain, C. E., 666
Strattman, Charles R., 544
Street, Marion, 328
Streeter, L. H., 730
Strickland, Earl E., 234, 235*, 300
Strong, F. H., 460
Strother, J. R., 300
Stubbs, E. J., 55
Stubbs, G. C., 92
Stump, John C., 461
Sturman, J. T., 907
Sturtevant, Frank T., 772, 944*
Stutrud, Philip M., 92*
Sugg, W. R., 645
Sumner, F. C., 871
Sunderland, James J., 388, 543‡
Supplee, William D., 90
Sutherland, J. G., 389, 510
Swanson, M. S., 165
Switzer, James W., 985, 1017*
Swope, Gerard, 835*
Syverson, A., 458‡

T

Tait, J. F., 868
Talman, H. S., 235
Tamplin, F. J., 128
Tansley, A., 234
Tapping, John, 872
Tate, A. E., 498
Tate, Albert Victor, 942
Tate, William K., 508*
Taylor, C. A., 978
Taylor, C. L., 234
Taylor, R. E., 686
Taylor, Rutherford T., 832
Taylor, S. O., 666
Temple, E. B., 618
Templeton, W. M., 90
Terrill, M. T., 772
Teufel, Walter O., 90, 165, 203*
Thayer, Harley, 942, 984‡
Thomas, G. K., 978
Thomas, J. H., 943
Thomas, Lewis, 504
Thomas, Luther A., 55, 127*
Thomas, Morton A., 427
Thomas, P. F., 361
Thompson, Chester, 796‡, 980
Thompson, Clarence C., 460*
Thompson, D. B., 746
Thompson, Frank W., 544, 608*, 686
Thompson, Robert, 90
Thompson, Roy, 361
Thompson, Walter S., 496*
Thomson, Charles M., 54, 162, 233, 869, 940
Thomson, Douglas A., 871
Thomson, G. A., 719
Thomson, Robert, 707
Thorburn, C., 389
Thornton, L. E., 164
Thornton, William L., 362
Thurston, William P., 544
Tierney, J. T., 200
Tinker, George Henry, 908, 945‡
Tobin, W. H., 638
Todd, A. C., 327
Todd, G. C., 872
Todd, J. G., 887
Tolleson, E. M., 907
Tomkins, O. Scott, 728
Topping, F. J., 671
Torian, J. G., 727
Torrey, S. S., 362
Towne, R. W., 868
Trahey, D. T., 56
Trammell, C. E., 730
Tripp, H. H., 272
Trissal, J. M., 746
Troth, R. W., 944
Truax, L. M., 984
Truden, James L., 202, 269*
Trussell, Arthur J., 1018‡
Tucker, Clarence R., 361
Tumlin, J. W., 57
Turner, Warren H., 461*
Twogood, Ralph S., 93, 645

U

Uhr, I. A., 944
Umlauf, E. C., 652
Underwood, F. D., 535
Urbach, H. H., 6, 666
Urbahns, Christian E., 508‡

V

Valdez, Leandro, 423
Vallandingham, A. V., 322
Van Arsdalen, C. I., 686
Van Delinder, J. R., 388
Vandenburgh, J. T., 741
Vandling, J. E., 459, 544
Van Iderstine, W. P., 203
Van Meter, R. J., 906
Van Note, F., 151
Van Winkle, Wilbur Ray, 388
Van Zandt, G. C., 389‡
Varney, C. P., 300*, 389
Vaugh, S. J., 92
Vaughan, R. C., 157
Vaughan, R. L., 389
Vaughn, Henry Hague, 935
Vincent, Harry C., 461, 608*
Vinnedge, W. M., 162
Vogtle, A. W., 756
Vonau, J. M., Jr., 509
Von Lehsten, J., 771
von Sprecken, T. M., 389
Voss, W. E., 772

W

Wachter, A. B., 730
Wade, Henry M., 362
Wade, M. S., 771
Wadlinger, G. J., 460

Wagner, E. P., 942
Wagner, Howard O., 56, 164, 165*
Wakefield, Roy C., 346
Walford, Norman A., 55, 164‡
Walker, Frank, 984
Walker, H. D., 235, 328
Walker, J. D., 55
Walker, J. S., 607
Wall, G. W., 744
Waller, E. P., 126*
Walsh, John G., 151
Walter, F. Earl, 770
Walter, J. W., 56
Warfel, George H., 128, 203‡
Warren, A. G., 499
Warren, C. J., 607
Washburn, F. M., 719
Waters, L. L., 907
Weaver, A. J., 829
Webster, Charles E., 424
Weeks, M. F., 269
Weiland, P. J., 685
Weinberger, E. M., 985
Wenzel, J. E., 772
Wesson, E. G., 361, 389
Whadcook, Charles F., 362
Wham, Benjamin, 233, 359
Wharton, William H., 510, 608, 609*
Wheeler, C. W., 460
Wheeler, R. C., 427
Wheelwright, Barton, 60, 130*
Whitaker, W. S., 128
White, C. Austin, 684
White, G. C., 55, 128
White, G. M., 871, 872
White, James B., 771
White, Lloyd, 639
White, Lynne L., 983, 1016*
White, W. L., 699
Whiting, H. R., 460
Whiting, John B., 510
Whitlock, A. N., 163, 164*, 234
Whitman, F. B., 361
Whitmore, H. F., 607, 908
Whitson, J. A., 327
Wickes, Lewis S., 639
Wiegele, C. F., 55
Wilber, Glenn C., 942, 984*
Wilcox, E. M., 666
Wilde, Edmund H., 1017‡
Wilkes, J. W., 727, 771, 837*
Willcock, F., 942
Willey, Raymond, 267
Williams, A. T., 498
Williams, Albert N., 192, 216*, 427, 679
Williams, C., 498
Williams, George, 203
Williams, J. P., Jr., 200
Williams, J. W., 411
Williams, O. W., 984
Williams, Rowland L., 180*, 299, 506
Williams, T. K., 984
Williamson, C. H., 126*
Wilson, A. R., 618
Wilson, Charles E., 835*
Wilson, G. Lloyd, 741
Wilson, Guy W., 126*
Wilson, R. C., 907
Wilson, Warden F., 836*
Wilson, William, 56, 57‡
Wiltsee, W. P., 823
Winandy, H. M., 682
Wingate, Henry S., 803
Winget, F. H., 908
Winston, J. N., 427
Winterrowd, William H., 53
Wise, Huber F., 637
Wissel, Albert J., 872
Wolfe, H. O., 945
Wolfe, Harry A., 682
Wolfe, James W., 346
Wolff, A. O., 510
Womeldorf, C. F., 686
Wood, C. E., 744
Wood, Frank, 90
Wood, Guy B., 298
Wood, William L., 164
Woodall, F. M., 771
Woodall, J. G., 871, 907
Woodruff, Robert E., 638, 659*, 684, 726, 727, 870
Woods, O. K., 772
Woodworth, Elvin M., 729
Worthley, E. C., 460, 509
Worthman, Arthur J., 942, 984‡
Wright, G. D., 907
Wright, G. I., 868‡
Wright, George, 759
Wright, H. C., 165
Wright, L. T., 838
Wright, Roy V., 667
Wright, W. J., 498
Wunder, P. H., 92
Wylie, Laurence, 55
Wyrick, Grant, 389

Y

Yates, I. B., 126
Yates, W. C., 297
Young, D. H., 541*
Young, H. L., 836
Young, Heusted T., 362
Young, Owen D., 835*
Young, Peter, 730
Younger, S. J., 532

Z

Zepeda, J. U., 771
Zimmer, Horace, 506
Zirckel, W. E., 772

OBITUARY

[* Indicates photograph and sketch; ‡ Indicates sketch only]

Abercrombie, Francis P., 807
Allen, H. G., 907
Ancrum, George F., 909‡
Andrews, Clifford B., 609, 729

Barrows, W. E., 544
Beddo, D. W., 300
Berger, W. A., 604
Biering, S. R., 807, 942
Blanchard, Edwin C., 838‡
Bolte, Col. Anson Lee, 233
Boots, E. W., 609‡
Borrowdale, John M., 683
Bowman, Herschel V., 838
Bradt, Homer A., 461, 509
Brown, Sir George McLaren, 165
Brown, Henry H., 130, 204‡
Buch, John F., 943
Bush, T. V., 544
Bush, William R., 200‡, 424

Cain, Homer, 362
Cameron, Frederick C., 541*
Campbell, Benjamin, 328‡
Carmichael, Robert Henry, 130‡
Carter, Charles F., 935‡
Chabot, Floyd E., 428‡
Chambers, H. H., 683
Chambers, W. E., 204, 985
Chandler, William H., 902‡
Clements, John G., 389‡, 427
Cochran, Charles Weedon, 165, 204‡
Collister, Edwin Botsford, 389
Colvin, R. M., 942
Conard, George P., 425‡
Connell, Malcolm R., 130
Cornelisen, Otto, 909‡
Cust, H. H., 425

Dalton, Henry G., 1015
Davies, John Vipond, 545, 609*
Dennis, W. O., 838*, 985
Dewberry, John M., 686‡, 772
Dingler, David, 838
Dobbins, Daniel C., 807‡
Donnelly, Charles, 377*, 770
Duvall, C. F., 165
Eckels, Charles P., 389
Evans, William L., 428
Eyman, F. P., 301, 327

Failing, W. H., 945
Fisher, John Barkley, 130
Fitzpatrick, P. D., 204, 269
Flanagan, E. J., 771, 909‡
Frank, Fritz John, 934*

Gaut, R. E., 986
Geer, G. E., 358
Gillick, Henry M., 807‡, 872
Glover, James, 1015
Griggs, George L., 609‡, 639

Hankee, H. Stanley, 129
Hanley, J. A., 388
Harrington, C. J., 545, 686
Hart, Edward, Jr., 838, 872‡
Harwell, M. M., 639
Hatfield, R. C., 327, 328
Heald, Charles M., 909‡
Helm, Austin F., 235
Hockman, H. M., 607
Hodson, William, 686
Hogan, Charles H., 799‡
Holt, Frank W., 807, 872
Hulme, Thomas W., 510
Humphrey, Arthur L., 725*
Hunter, C. R., 640‡, 685
Hustis, Guy E., 730‡

Ibsen, Hans, 730*

Jacobs, M. H., 807‡, 872
Jansma, F. C., 327, 328
Johns, Charles W., 461, 545*

Keene, H. D., 388
Kell, Joe A., 909
Kelly, R. E., 93
Kenly, Ritchie G., 838
Kerr, John B., 60‡
King, Charles C., 541
King, George L., 301
Kinsman, Arthur Munroe, 872
Kolb, E. Worth, 683‡
Lamb, Carl S., 506
Lamcool, Karl J., 769
Lang, Philip G., Jr., 945*
LeBeau, Ernest A., 541
Leedy, E. C., 986
Leidenger, Joseph, 297
Lenderking, William D., 204
Lewis, J. E., 267
Lewis, Walter C., 906
Lindsay, G. B., 328
Lovell, A. J., 1006
Lucia, Harry W., 1014*
Ludlam, Frank, 939‡

MacKenzie, Henry William, 235‡
Mackinnon, Allan P., 272, 301*, 327
Manning, O. L., 939‡
Mapes, Rep. Carl E., 933
Marchell, C. E., 730‡, 806
Martin, Rep. J. A., 1011‡
McLaughlin, Thomas M., 427
Melcher, Charles M., 127
Merriman, George, 986
Miller, Fred D., 165‡
Miller, John Franklin, 456*
Miller, R. V., 907, 909
Miller, William F., 986*
Monahan, Henry P., 57, 60
Moon, Dewitt C., 389
Morrison, James Thomas, 945‡
Mosier, Carl, 200, 233*
Muirhead, William Y., 389, 508
Mussey, William H., 325

Nelson, George W., 204

O'Neill, T. P., 130, 203
O'Toole, William W., 640, 771

Padgett, Earl B., 55
Parks, Robert G., 772, 773
Pasche, Charles, 868
Paxton, James L., 1015
Payne, J. L., 192‡
Petersen, James N., 986
Peterson, Arthur H., 53‡
Phillips, D. L., 872
Pirschell, William, 872
Powers, John Edward, 945
Prien, John C., 57

Randall, R. F., 234
Rice, Frederick Erving, 428‡
Robinson, Charles E., 233
Rowe, Herbert A., 686
Rutledge, T. R., 640, 772

Sams, J. A., 545
Schrank, E. A., 60, 235
Schroeder, J. H., 872
Schwab, Charles M., 451*
Sedgman, W. J., 328
Sefton, Robert J., 93, 165
Shea, James M., 545
Skillman, T. J., 510*
Somerville, James A., 130, 204‡, 458
Sparrow, William W. K., 773*
Staley, William C., 609
Starrett, Howard M., 868*, 906
Stearns, R. L., Sr., 986
Steele, Charles, 263‡
Steer, Earl M., 165
Swope, H. M., 461

Tawse, William G., 637‡
Taylor, Richard V., 1018‡
Taylor, Roger T., 640‡, 771
Thayer, Victor D., 909‡
Thompson, James Shields, 358, 359*
Tisdale, Arthur A., 730, 807*

Vanderpoel, William Kemp, 683*
Vogt, Adolph W., 836‡

Warren, Albert E., 640, 686*
Watts, Horace E., 428
Webb, Col. A. H., 1018
Weber, Charles H., 686
Wheeler, Charles William, 872, 985
Whitaker, Frank M., 730, 909‡
Whitaker, John W., 871, 945‡
Whitcomb, William C., 267‡
Wiley, Robert E., 461‡
Williams, T. E., 128, 130‡
Wilson, Benjamin, 325
Woodward, Peter H., 545‡

RAILWAY CONSTRUCTION

Akron, Canton & Youngstown, 54
Atchison, Topeka & Santa Fe, 125, 200, 507, 939, 981, 1013
Atlantic Coast Line, 981

Baltimore & Ohio, 359

Canadian National, 200, 426, 507, 868
Canadian Pacific, 200
Chesapeake & Ohio, 359, 605
Chicago & Illinois Midland, 125, 200, 267
Chicago & North Western, 325, 636, 834, 868
Chicago, Burlington & Quincy, 125, 636
Chicago Great Western, 125, 267
Chicago, Milwaukee, St. Paul & Pacific, 54, 267, 325, 636, 768, 868
Chicago, North Shore & Milwaukee, 325
Chicago, Rock Island & Pacific, 200
Cleveland, Cincinnati, Chicago & St. Louis, 768
Colorado & Southern, 868

Delaware, Lackawanna & Western, 426

Elkhart & Santa Fe, 508
Erie, 125, 267, 359, 981

Grand Trunk Western, 301, 868
Great Northern, 508, 981
Gulf, Colorado & Santa Fe, 54
Gulf, Mobile & Northern, 426, 869

Illinois Central, 636, 869

Kansas City Terminal, 89, 200
Kentucky & Indiana Terminal, 267

Lehigh Valley, 301, 939, 981
Long Island, 200, 325, 359, 426
Louisville, Ky., 267
Louisville & Nashville, 267, 508, 541

Michigan Central, 200
Missouri-Kansas-Texas, 359, 834
Missouri Pacific, 267, 301, 508, 541, 834
Mobile & Ohio, 426, 508, 834, 869

New York Central, 89, 125, 301, 359, 869, 1013
New York, Chicago & St. Louis, 125, 869
New York, New Haven & Hartford, 325
North Kansas City Bridge, 768
Northern Pacific, 325

Omaha Union Station, 508

Pacific Fruit Express, 200
Panhandle & Santa Fe, 89

RAILWAY CONSTRUCTION—Continued

Pennsylvania, 54, 89, 267, 301, 636, 768, 981
Pere Marquette, 359
Pittsburg & Shawmut, 200

Reading, 301

St. Louis-San Francisco, 834
St. Louis Southwestern, 89

Southern, 359
Southern Pacific, 125, 267, 683, 768, 981
Spokane, Portland & Seattle, 89
Staten Island Rapid Transit, 301, 768

Tennessee Central, 541
Texas & Pacific, 301, 386, 508, 768, 869, 981
Toledo, Angola & Western, 89

Union Pacific, 200, 636, 806, 981

Virginian, 359

Wabash, 267, 869
Western Maryland, 359

FINANCIAL NEWS

Akron & Barberton Belt, 605
Akron, Canton & Youngstown, 904
Alabama & Western Florida, 201
Alabama, Tennessee & Northern, 869, 940
Algers, Winslow & Western, 904
Ann Arbor, 1015
Apalachicola Northern, 387, 982
Arkansas Valley, 836
Arkansas Valley Interurban, 982
Atchison, Topeka & Santa Fe, 201, 268, 605, 769, 904
Atlanta & West Point, 202
Atlantic & East Carolina, 54, 268
Atlantic Coast Line, 268, 836, 904

Baltimore & Ohio, 233, 268, 326, 387, 457, 605, 684, 940
Bessemer & Lake Erie, 836, 905
Bingham & Garfield, 89
Birmingham Southern, 869
Boston & Maine, 605, 869
Boston Terminal, 162, 769

Canadian National, 162, 268, 637
Carolina, Clinchfield & Ohio, 905
Central of Georgia, 202
Central of New Jersey, 54, 268, 506, 805, 869, 905, 982
Charles City Western, 726, 869
Chesapeake & Ohio, 268, 359, 506, 605, 637, 805, 869
Chicago & Eastern Illinois, 54, 201, 233, 359, 541, 869, 940
Chicago & North Western, 54, 89, 127, 162, 326, 359, 387, 457, 506, 605, 726, 869, 940
Chicago, Burlington & Quincy, 162, 201, 605, 637, 684, 869, 1015
Chicago Great Western, 54, 387, 426, 726, 905
Chicago, Milwaukee, St. Paul & Pacific, 54, 360, 506, 605, 637, 684, 726, 869
Chicago, Rock Island & Pacific, 233, 326, 506, 606, 905, 982
Chicago, St. Paul, Minneapolis & Omaha, 940
Chicago, Springfield & St. Louis, 637
Clackamas Eastern, 506
Clarion River, 769
Collins & Glennville, 684
Colorado & Southern, 54, 297, 940

Dansville & Mount Morris, 637, 1015
Delaware & Hudson, 387
Delaware, Lackawanna & Western, 326, 541, 805, 836
Denver & Rio Grande Western, 162, 426, 638, 684
Detroit & Mackinac, 541

Elgin, Joliet & Eastern, 836, 982
Erie, 89, 162, 360, 426, 506, 541, 606, 684, 726, 769, 805, 836, 870, 940, 1015
Escanaba & Lake Superior, 127, 426
Evansville & Ohio Valley, 940

Fairport, Painesville & Eastern, 268, 387
Florida East Coast, 606, 805
Fonda, Johnstown & Gloversville, 726
Fordyce & Princeton, 127, 606, 638, 982
Fort Dodge, Des Moines & Southern, 870
Fort Smith & Van Buren, 202
Fort Smith & Western, 326
Fort Worth & Denver City, 940

Georgia & Florida, 638
Great Northern, 837, 982, 1015
Great Western, 54
Gulf, Mobile & Ohio, 940

Illinois Central, 233, 457, 606, 638, 684, 726, 870, 940
Indiana, 326

Kansas City Southern, 326, 426, 458, 684, 769, 837, 1015
Kishacoquillas Valley, 507, 982

Lake Erie, Franklin & Clarion, 127, 606
Lehigh & New England, 162, 770
Lehigh Valley, 89, 127, 268, 541, 940, 983
Linville River, 606, 1015
Little River, 606, 983
Louisiana & Arkansas, 162, 506, 541
Louisiana & North West, 162, 542, 870
Louisville & Nashville, 606, 684, 770, 805, 837, 983, 1015

Maine Central, 89, 162, 507, 870, 983, 1015
Minneapolis & St. Louis, 127, 162, 268, 507, 542, 606
Minneapolis Eastern, 54, 162
Minneapolis, Northfield & Southern, 54
Minneapolis, St. Paul & Sault Ste. Marie, 983
Minnesota, Dakota & Western, 684, 1015
Missouri & Arkansas, 837
Missouri-Illinois, 268
Missouri Pacific, 162, 202, 234, 268, 360, 426, 507, 542, 940, 983
Missouri Southern, 202, 684
Montana, Wyoming & Southern, 297, 940
Mount Vernon Terminal, 234

New York Central, 426, 507, 638, 726, 941, 983
New York, New Haven & Hartford, 89, 202, 268, 360, 387, 458, 507, 726, 870, 941, 983

New York, Ontario & Western, 326, 426
New York, Susquehanna & Western, 1015
Norfolk & Portsmouth Belt Line, 234, 268, 360, 458
Norfolk & Western, 202, 269
Norfolk Southern, 387, 458, 507, 542, 770, 805
Northeast Oklahoma, 163
Northern Pacific, 606, 837, 941
Northwestern Pacific, 1015

Oklahoma Railway, 770
Okolona, Houston & Calhoun City, 127, 297

Pennsylvania, 297, 507, 542, 638, 770
Pittsburgh & West Virginia, 163, 805, 941

Rahway Valley, 542, 1015
Railway Express Agency, 507, 837, 941
Rapid City, Black Hills & Western, 202
Reading, 905
Rio Grande, Micolithic & Northern 89
Rio Grande Southern, 298, 360

St. Louis-San Francisco, 458, 1015
St. Louis, San Francisco & Texas, 89
St. Louis Southwestern, 360
Seaboard Air Line, 202, 458, 507, 638, 726, 837, 905, 983
Southern, 54, 89, 202, 268, 269, 360, 507, 770, 806, 983
Southern New Jersey, 684, 1015
Southern Pacific, 89, 202, 269, 298, 458, 507, 542, 806, 905, 983, 1015

Tennessee Central, 941
Terminal Railroad Association of St. Louis, 54, 89, 234, 269, 298, 387
Texas & Pacific, 806
Toledo & Indiana, 458
Tonopah & Tidewater, 458, 905

Union Pacific, 298
Utah Idaho Central, 770, 905

Ventura County, 684, 770
Virginia Blue Ridge, 507, 1015
Virginian, 606, 806, 837, 905

Wabash, 55, 202, 458, 542, 638, 941, 1015
Western Maryland, 55, 163
Western Pacific, 127, 426, 507, 605, 638, 870
Wheeling & Lake Erie, 55, 638, 726, 837, 941
Winston-Salem Southbound, 202, 269
Winston-Salem Terminal, 202, 269
Wrightsville & Tennille, 770

Yazoo & Mississippi Valley, 458

939

458
5

837,
806,
542,
, 89,